

Modular Plugs and Jacks

Modular Plugs O-2 to O-5

Modular Jacks

Right Angle	
HyperJack™	O-6
High Speed	O-7 to O-11
Ganged	O-12 to O-14
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Ganged	O-30
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For more information, please see the last page of the catalog for the location nearest you or contact:

FEATURES AND SPECIFICATIONS

Features and Benefits

- Double strain relief construction
- To terminate flat oval telephone cord to REA Bulletin 345-80, PE 75

Reference Information

Product Specification: PS-87031

Packaging: Bag

UL File No.: E107635(N)

Mates With: FCC 68 jacks

Designed In: Inches

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V AC rms

Insulation Resistance: 500 MΩ min.

Physical

Housing: Natural polycarbonate, UL 94V-2

Contact: Phosphor Bronze

Plating: See Table

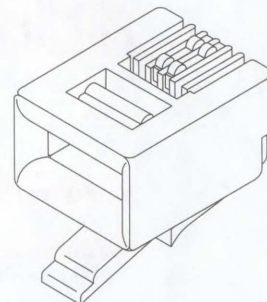
Operating Temperature: -40 to +60 °C

molex® Modular Plug

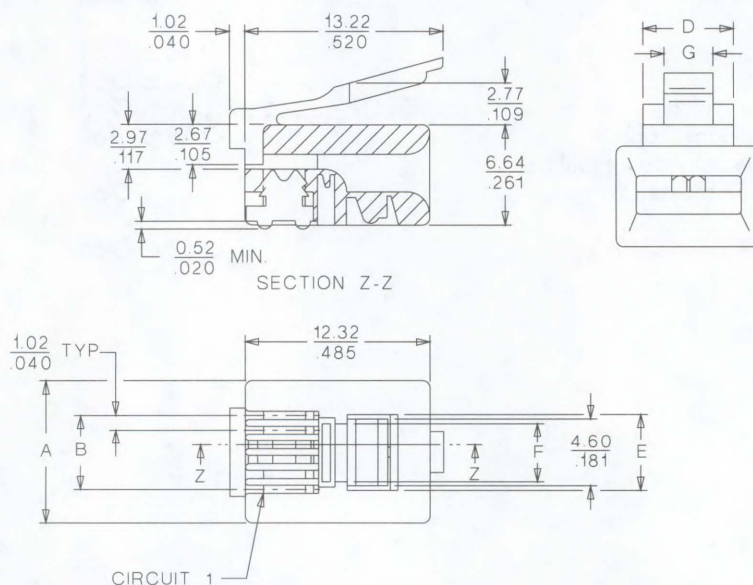
87031

FCC 68

6 and 4 Position



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.			Dimension			
		Plating No. 1	Plating No. 2	Plating No. 3	A	B	E	F
4	4	87031-0413	87031-0423	87031-0433	7.62 (.300)	3.05 (.120)	5.21 (.205)	4.60 (.181)
6	2	87031-0615	87031-0625	87031-0635	9.65 (.380)	5.08 (.200)	5.21 (.205)	4.60 (.181)
6	4	87031-0617	87031-0627	87031-0637	9.65 (.380)	5.08 (.200)	5.21 (.205)	4.60 (.181)
6	6	87031-0619	87031-0629	87031-0639	9.65 (.380)	5.08 (.200)	6.98 (.275)	4.60 (.181)

Plating No. 1: 0.76μm (30μ") min. Gold in contact area, 1.27μm (50μ") min. Tin/Lead in pierce area both over Nickel

Plating No. 2: 1.27μm (50μ") min. Gold in contact area, 1.27μm (50μ") min. Tin/Lead in pierce area both over Nickel

Plating No. 3: 0.38μm (15μ") min. Gold in contact area, 1.27μm (50μ") min. Tin/Lead in pierce area both over Nickel

FEATURES AND SPECIFICATIONS

Features and Benefits

- Pre-assembled contacts
- To terminate flat oval telephone cord to REA Bulletin 345-80, PE 75
- Strip mounting—cost efficient, time saving
- 4-, 6- and 8-way loaded or partially loaded

Reference Information

Product Specification: PSX90075-E
Packaging: Strip mounted or bag
UL File No.: 86046
Mates With: WE Co. and FCC 68 jacks
Designed In: Millimeters

Electrical

Voltage: 125V
Current: 1.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 1000V rms
Insulation Resistance: 500 MΩ min.

Mechanical

Cable to Plug Tensile Strength: 7.71kg (17 lb) min.

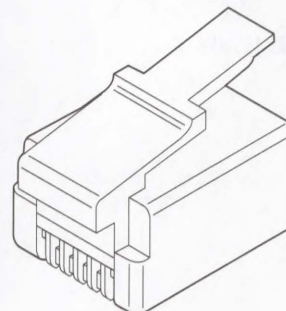
Physical

Housing: Natural polycarbonate, UL 94V-2
Contact: Phosphor Bronze
Plating: See Table
Operating Temperature: -40 to +60 °C

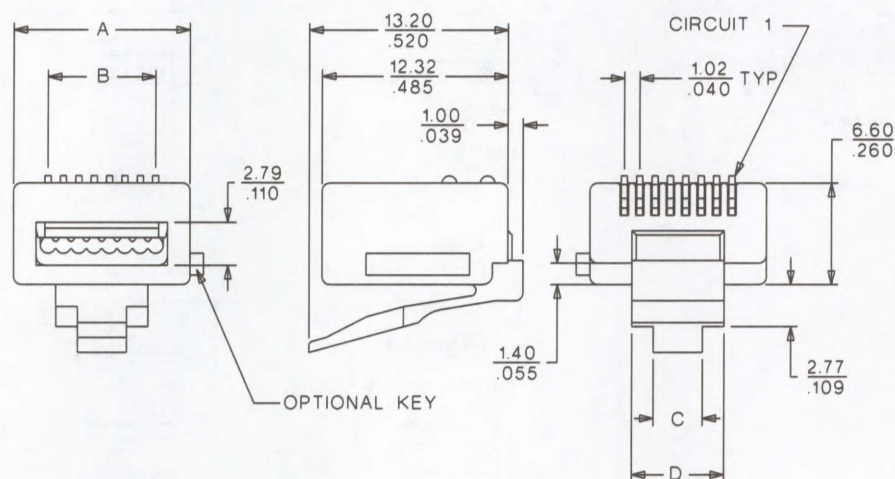
molex® Modular Plug

90075

**FCC 68
Short Body**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Key	Order No.				Dimension			
			Strip Mounted		Bag		A	B	C	D
			Plating No. 1	Plating No. 2	Plating No. 1	Plating No. 2				
4	4	No	90075-0001	90075-0025	90075-0003	90075-0027	7.62 (.300)	3.05 (.120)	2.54 (.100)	4.95 (.195)
6	4	No	90075-0009	90075-0033	90075-0011	90075-0035	9.65 (.380)	5.08 (.200)	3.25 (.128)	6.05 (.238)
6	6	No	90075-0005	90075-0029	90075-0007	90075-0031	9.65 (.380)	5.08 (.200)	3.25 (.128)	6.05 (.238)
8	8	No	90075-0130	90075-0139	90075-0132	90075-0141	11.68 (.460)	7.11 (.280)	3.25 (.128)	6.10 (.240)

Plating No. 2: 1.27μm (50μ") min. Gold in contact area, 1.27μm (50μ") min. Tin/Lead in pierce area, Nickel overall

FEATURES AND SPECIFICATIONS

Features and Benefits

- Flat oval and round cable
- Two terminal options: Round and flat top
- To terminal with line cords to PE-75 REA specifications

Reference Information

Product Specification: PS-87522-0001

Packaging: Bag

UL File No.: E107635

Mates With: FCC 68 and RJ 45 Jacks

Designed In: Millimeters

Electrical

Voltage: 125V DC max.

Current: 1.5A max.

Contact Resistance: 25mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Cable to Plug Tensile Strength: 80N (17.95 lb)

Durability: 200 cycles

Physical

Housing: Natural polycarbonate, UL 94V-2

Contact: Phosphor Bronze

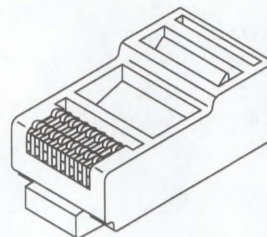
Plating: 1.27μm (50μ") min. Gold in contact area over Nickel overall

Operating Temperature: -40 to +60°C

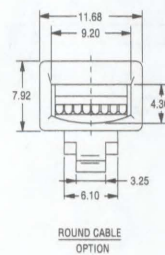
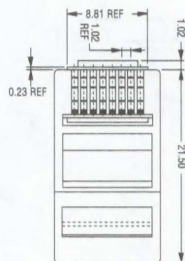
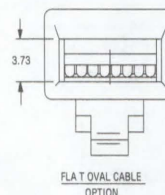
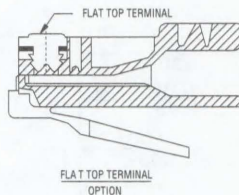
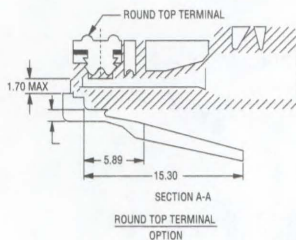


87522

**RJ-45/FCC 68
Long Body, 8 Position**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.			
		Round Cable		Flat Oval Cable	
		Flat Top	Round Top	Flat Top	Round Top
8	4	87522-4002	87522-4007	87522-4102	87522-4107
8	6	87522-6002	87522-6007	87522-6102	87522-6107
8	8	87522-8002	87522-8007	87522-8102	87522-8107

Note: Please contact Molex for 0.76μm (30μ") min. Gold in contact area over Nickel overall, 0.38μm (15μ") min. Gold in contact area over Nickel overall

FEATURES AND SPECIFICATIONS

Features and Benefits

- 8-way RJ45 fully shielded plug
- 1-piece dual-function shield for optimal strain relief (hex crimp) and 360° shielding
- Selectively Gold-plated contact
- Terminates with 5.40 or 6.00mm LAN, STP or ISDN recommended round cables
- Rubber boot for ideal grip, color coded for line tracing and different network types
- Meets CAT 5 to EIA/TIA 568 B requirements (100 Mbits/s)

Reference Information

Product Specification: PS-95043-F
 Packaging: Bag
 CSA File No.: LR19980-478
 Mates With: WE Co. and FCC 68 jacks

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 20mΩ max.
 Dielectric Withstanding Voltage: 1000V rms
 Insulation Resistance: 500 MΩ min.

Mechanical

Cable to Plug Tensile Strength: 10kg (21 lb) min.

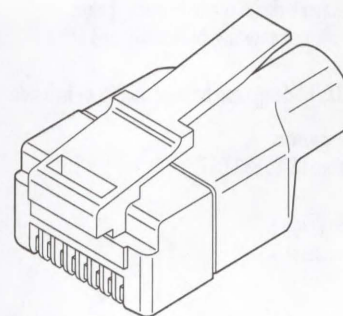
Physical

Housing: Natural polycarbonate, UL 94V-2
 Contact: Phosphor Bronze
 Plating: 1.27 μm (50 μ") Gold in contact area and Tin/Lead in pierce area, both over Nickel
 Operating Temperature: -40 to +60 °C

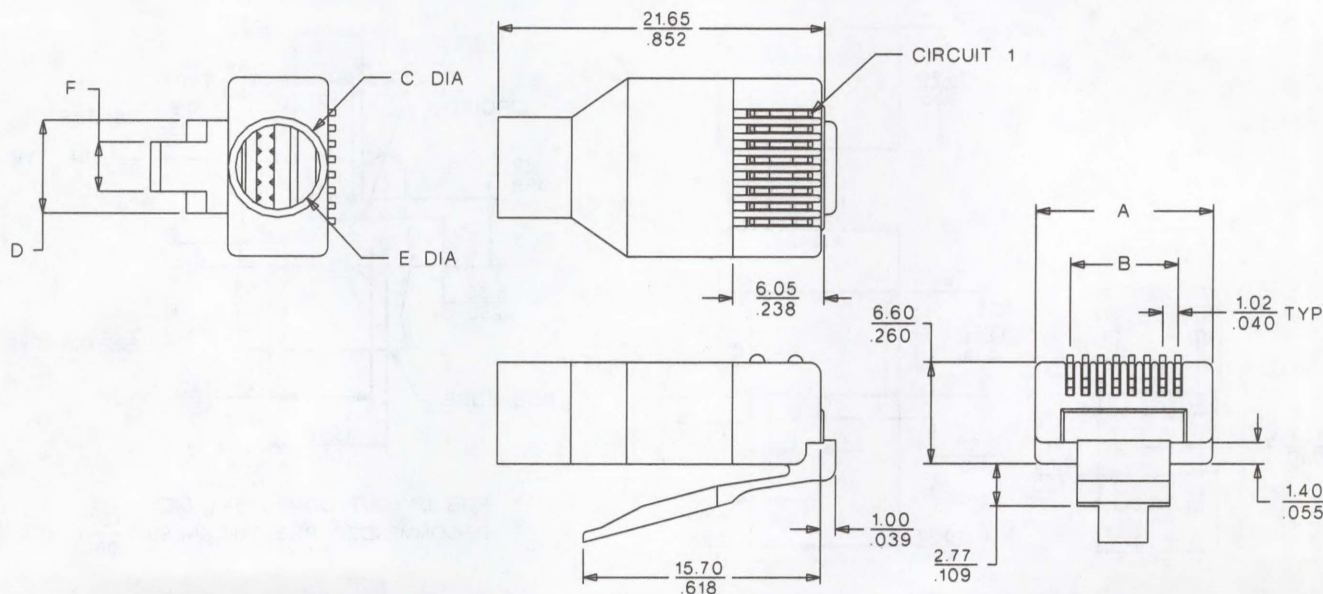
molex® Modular Plug

95043

8 Position, Shielded



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Boot Color	Order No.		Dimension							
			For 5.40mm Cable	For 6.00mm Cable	A	B	C		D	E		F
							5.40mm Cable	6.00mm Cable		5.40mm Cable	6.00mm Cable	
8	8	Black	95043-2891	95043-5891	11.68 (.460)	7.11 (.280)	6.60 (.260)	7.20 (.283)	6.10 (.240)	5.60 (.220)	6.20 (.244)	3.25 (.128)
8	8	Beige/Gray	95043-2892	95043-5892								
8	8	Green	95043-2893	95043-5893								
8	8	Red	95043-2894	95043-5894								
8	8	Yellow	95043-2895	95043-5895								
8	8	Blue	95043-2896	95043-5896								
8	8	Without boot	95043-2881	95043-5881								

FEATURES AND SPECIFICATIONS

Features and Benefits

- Performance better than category 5
- Very low profile—about 3/4 that of industry standard
- Automatic placement possible
- Foot pattern identical to industry standard
- High reliability, square contact

Reference Information

Product Specification: PS-95001-E

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Physical

Housing: Black polyester, UL 94V-0

Contact: Phosphor Bronze

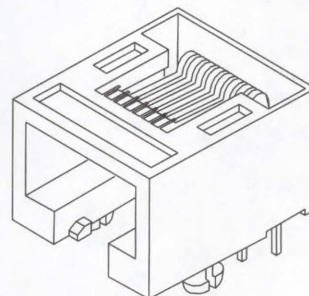
Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10) Tin/Lead in tail area both over Nickel overall

Operating Temperature: -40 to +80°C

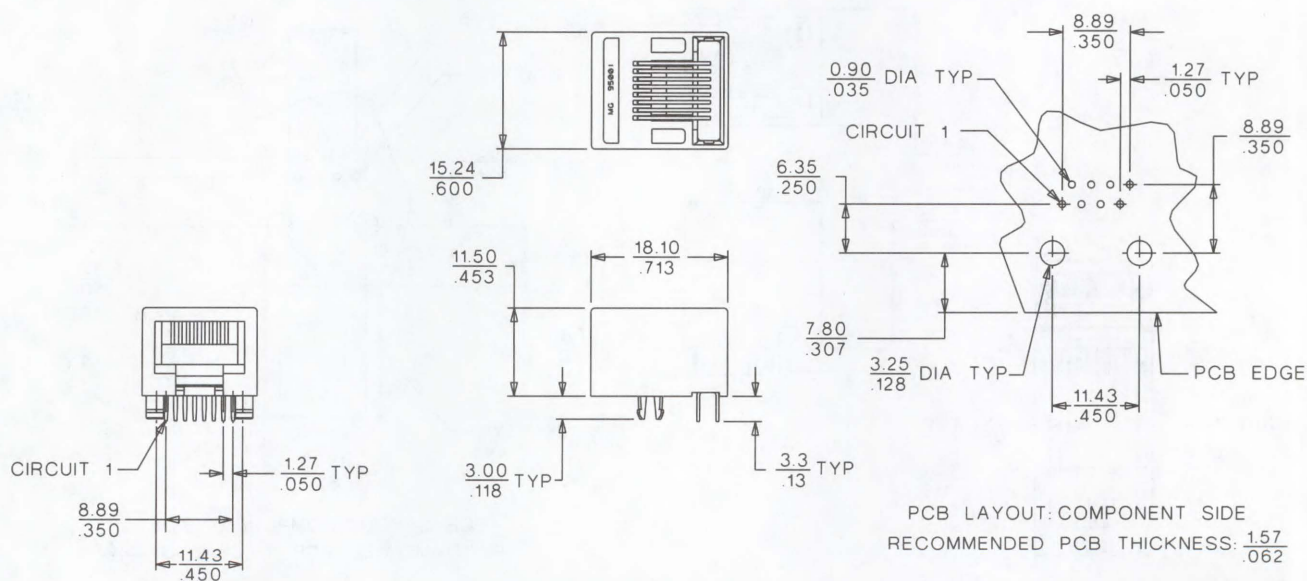
molex® Modular Jack

85503

**High-Speed, Right Angle
Low Profile**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.
8	8	85503-0001

FEATURES AND SPECIFICATIONS

Features and Benefits

- Performance better than category 5
- Advanced EMI/RFI protection
- ISDN standard
- Industry standard footprint and height

Reference Information

Product Specification: PS-95122

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Shielding Effectiveness: 20 dB min.

Physical

Housing: Black polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: Post plate 1.27 to 1.52μm (50 to 60μ") min.

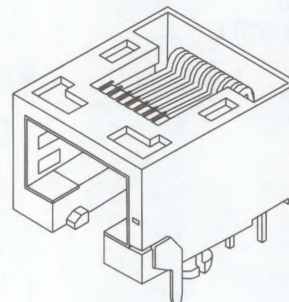
(90/10) Tin/Lead in tail area both over Nickel overall

Operating Temperature: -40 to +80°C

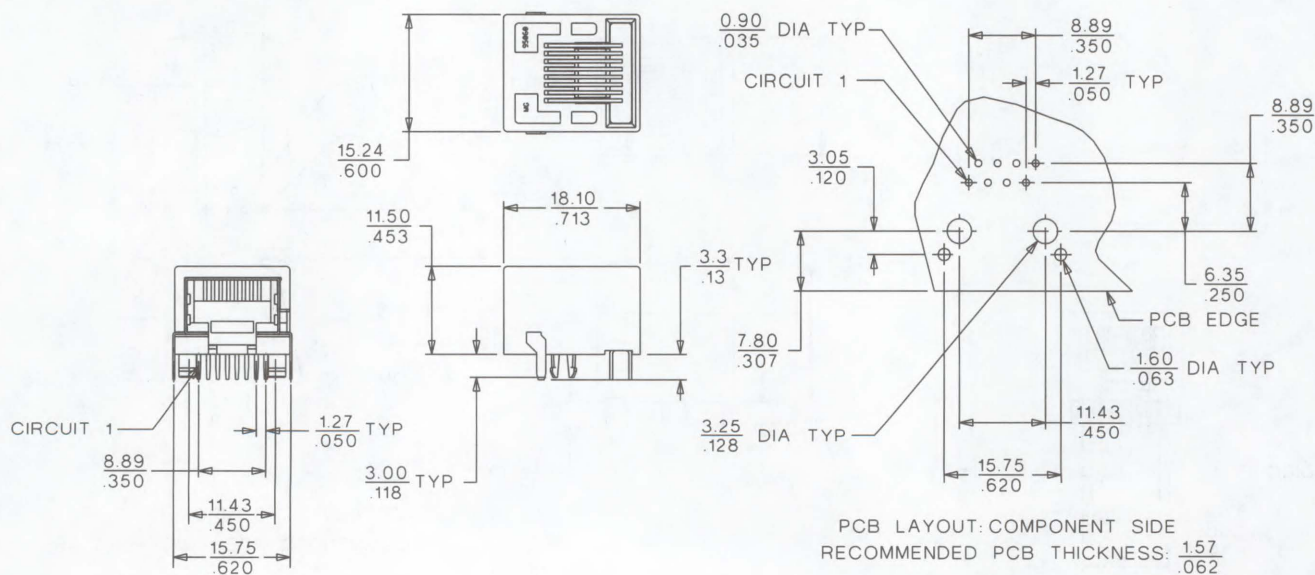
molex® Modular Jack

85504

**High-Speed, Right Angle
Low Profile, Internal Shield**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.
8	8	85504-0001

FEATURES AND SPECIFICATIONS

Features and Benefits

- Exceeds Category 5 performance
- Gigabit Ethernet compatible
- Enclosed top
- Industry Standard Footprint
- Shield with enhanced panel grounding tabs
- Surface Mount Compatible

Reference Information

Product Specification: PS-44050-003

Packaging: Tray

UL File No.: E107635

CSA File No.: LR19980

Designed In: Inches

Electrical

Voltage: 125V

Current: 1.5A

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

Physical

Housing: Black glass-filled, high temperature nylon, UL 94V-0

Plating: Contact Area—1.27μm (50μ") min. Gold

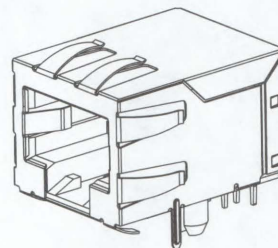
Solder Tails—1.27μm (50μ") Tin/Lead on both contact area and solder tails over Nickel overall

Operating Temperature: -40 to +80°C

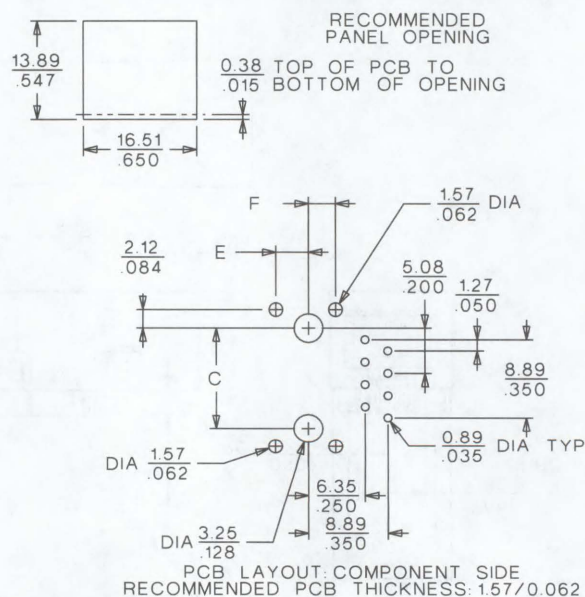
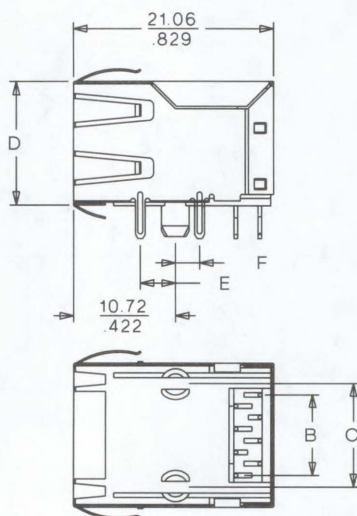
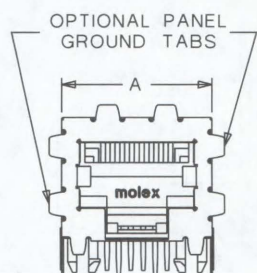
molex® Modular Jack

44050

**High Speed, Right Angle
Low Profile
Shielded and Unshielded
Versions**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.					Dimension					
		Unshielded	Shielded									
			With All Panel Grounding Tabs		With Offset Panel Grounding Tabs		A	B	C	D	E	F
			Location E	Location F	Location E	Location F						
8	8	44050-0001					15.24 (.600)	8.89 (.350)	11.43 (.450)	12.83 (.505)		
8	8		44050-0007		44050-0009		15.80 (.622)	8.89 (.350)	11.43 (.450)	13.08 (.515)	4.57 (.180)	
8	8		44050-0002		44050-0004		15.80 (.622)	8.89 (.350)	11.43 (.450)	13.08 (.515)	3.68 (.145)	
8	8		44050-0006		44050-0008		15.80 (.622)	8.89 (.350)	11.43 (.450)	13.08 (.515)	3.05 (.120)	
8	8			44050-0003		44050-0005	15.80 (.622)	8.89 (.350)	11.43 (.450)	13.08 (.515)		3.05 (.120)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Fully shielded connector
- Shield with enhanced panel grounding tabs
- Exceeds Category 5 performance
- Automatic vacuum placement

Reference Information

Product Specification: PS-95122 and PS-85505 (Section 5.2)

Packaging: Antistatic blister tape on reels

Mates With: FCC68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Shielding Effectiveness: 20dB min.

Physical

Housing: Black polyamide, UL 94V-0

Contact: Phosphor Bronze

Plating: Contact Area—Post plate 1.27 to 1.52μm

(50 to 60μ") Gold

Solder Tail Area—1.90μm (75μ") min. Tin/Lead

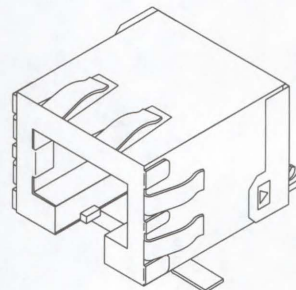
Underplating—Nickel

Operating Temperature: -40 to +80°C

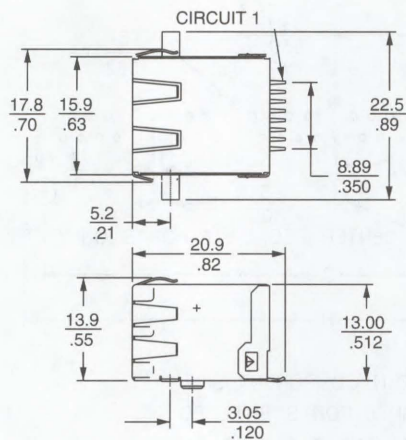
molex® Modular Jack

85543

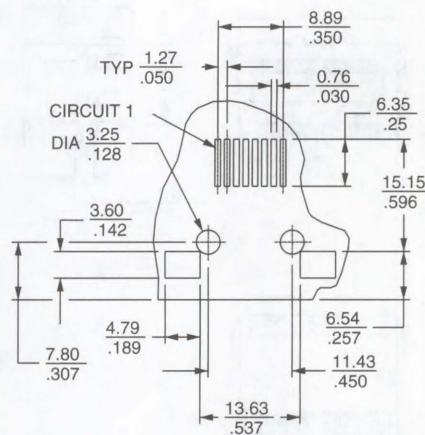
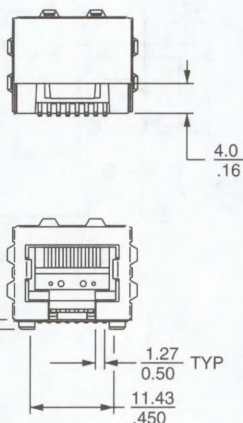
**High Speed, SMT
Right Angle
Low Profile
Shielded**



CATALOG DRAWING (FOR REFERENCE ONLY)



REAR VIEW



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.
8	8	85543-0001

FEATURES AND SPECIFICATIONS

Features and Benefits

- Exceeds Category 5 performance
- Gigabit Ethernet compatible
- 2, 4, 6 and 8 port configurations available
- Shield with enhanced panel grounding tabs
- 100% tested for hi-pot and continuity
- Industry Standard Footprint
- High-temperature plastic

Reference Information

Product Specification: PS-44150-003

Packaging: Tray

UL File No.: E107635

CSA File No.: LR19980

Designed In: Inches

Electrical

Voltage: 125V

Current: 1.5A

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

Physical

Housing: Glass-filled nylon, UL 94V-0

Plating: Contact Area—1.27μm (50μ") min. Gold

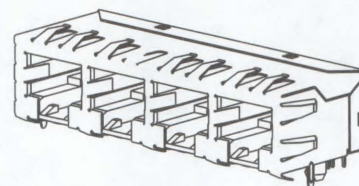
Solder Tails—1.27μm (50μ") Tin/Lead on both contact area and solder tails over Nickel overall

Operating Temperature: -40 to +80°C

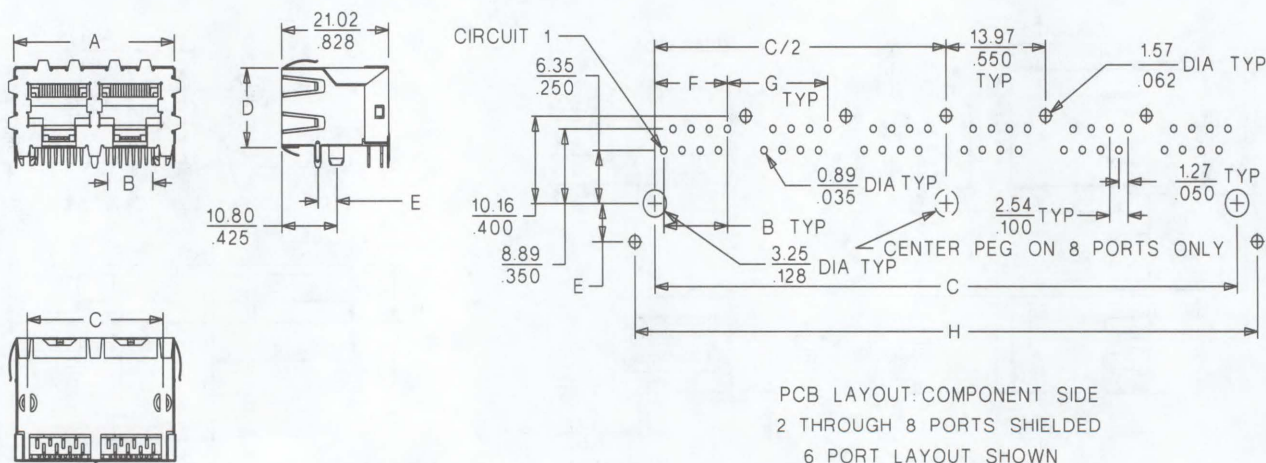
molex® Modular Jack

44150

**High Speed, Ganged,
Right Angle, Low Profile
Shielded and Unshielded
Versions**



CATALOG DRAWING (FOR REFERENCE ONLY)



RECOMMENDED PCB THICKNESS: $\frac{1.57}{.062}$

ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	No. of Ports	Order No.		Dimension					
			Snap-Fit Pegs	Press-Fit Pegs	A	B	C	D	F	G
8	8	2	44150-0001	44150-0017	30.48 (1.20)	8.89 (.350)	25.40 (1.00)	12.83 (.505)	10.16 (.400)	13.97 (.550)
8	8	4	44150-0002	44150-0018	58.42 (2.30)	8.89 (.350)	53.34 (2.10)	12.83 (.505)	10.16 (.400)	13.97 (.550)
8	8	6	44150-0003	44150-0019	86.36 (3.40)	8.89 (.350)	81.28 (3.20)	12.83 (.505)	10.16 (.400)	13.97 (.550)
8	8	8	44150-0004	44150-0020	114.30 (4.50)	8.89 (.350)	109.22 (4.30)	12.83 (.505)	10.16 (.400)	13.97 (.550)

Circuits	Loaded Contacts	No. of Ports	Order No.				Dimension						
			Option 1*		Option 2†		A	B	C	D	F	G	H
			Snap-Fit Pegs	Press-Fit Pegs	Snap-Fit Pegs	Press-Fit Pegs							
8	8	2	44150-0005	44150-0021	44150-0011	44150-0027	31.12 (1.22)	8.89 (.350)	25.40 (1.00)	13.31 (.524)	10.16 (.400)	13.97 (.550)	30.84 (1.21)
8	8	4	44150-0006	44150-0022	44150-0012	44150-0028	59.05 (2.32)	8.89 (.350)	53.34 (2.10)	13.31 (.524)	10.16 (.400)	13.97 (.550)	58.78 (2.31)
8	8	6	44150-0007	44150-0023	44150-0013	44150-0029	87.00 (3.42)	8.89 (.350)	81.28 (3.20)	13.31 (.524)	10.16 (.400)	13.97 (.550)	86.72 (3.41)
8	8	8	44150-0008	44150-0024	44150-0014	44150-0030	114.94 (4.52)	8.89 (.350)	109.22 (4.30)	13.31 (.524)	10.16 (.400)	13.97 (.550)	114.66 (4.51)

Note: Contact Molex for alternative rear grounding tab option on 4 and 8 port order numbers only.

* Dimension E = 3.68mm (.145")

† Dimension E = 4.57mm (.180")

Features and Benefits

- Exceeds Category 5 performance
- Gigabit Ethernet compatible
- Traditional industry pin layout
- Shield with enhanced panel grounding tabs
- 100% tested for hi-pot and continuity
- 8, 12 and 16 port configurations available

Reference Information

Product Specification: PS-44170-0003

Packaging: Tray

UL File No.: E107635

CSA File No.: LR19980

Mates with: FCC 68 Plugs

Designed in: Inches

Electrical

Voltage: 125V

Current: 1.5A max.

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles

Physical

Housing: Black glass-filled polyester, UL 94V-0

Plating: Contact Area—1.27 μ m (50 μ ") min. Gold

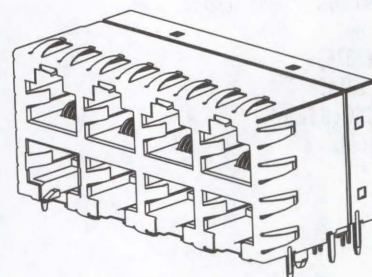
Solder Tail Area— $1.27\mu\text{m}$ ($50\mu''$) Tin/Lead

Underplating—Nickel

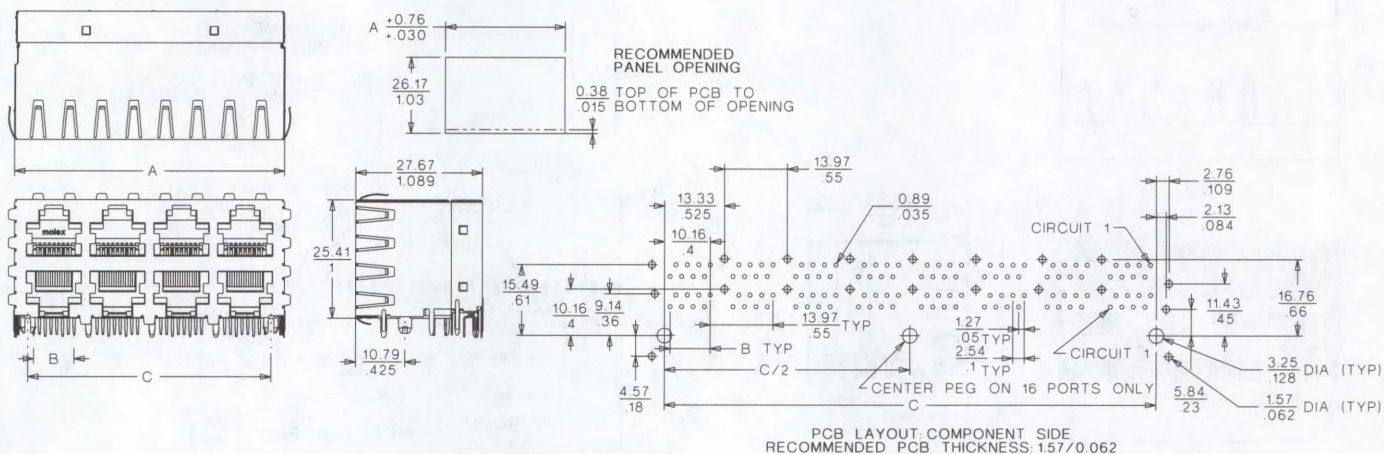
Operating Temperature: -40 to +80°C

44520

High Speed, Stacked, Multi-Port Right Angle Shielded



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Number of Ports	Order Number		Dimension		
			Snap Fit Pegs	Press Fit Pegs	A	B	C
8	8	8	44520-0001	44520-0004	59.18 (2.33)	8.89 (.350)	53.34 (2.10)
		12	44520-0002	44520-0005	87.12 (3.43)	8.89 (.350)	81.28 (3.20)
		16	44520-0003	44520-0006	115.06 (4.53)	8.89 (.350)	109.22 (4.30)

Note: Contact Molex for 30μ" select Gold plating or for alternative rear and center grounding tab option order numbers

FEATURES AND SPECIFICATIONS

Features and Benefits

- Robust fitting nails
- Enclosed top
- 100% electrically tested
- .006" max. "nail-to-tail" coplanarity

Reference Information

Product Specification: PS-43743-001
 Packaging: Tape and reel
 UL File No.: E107635
 CSA File No.: LR19980
 Mates With: FCC 68 plugs
 Designed In: Inches

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 10mΩ max.
 Dielectric Withstanding Voltage: 1000V AC
 Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

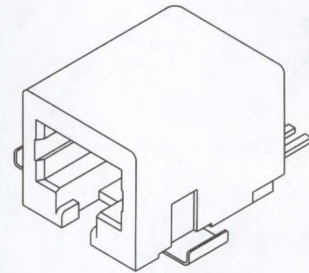
Physical

Housing: Black glass-filled, high-temperature nylon, UL 94V-0
 Contact: Gold per FCC 68.5 specification
 Plating: 1.27μm (50μ") min. Gold in contact area and
 1.27μm (50μ") Tin/Lead on solder tails both over Nickel
 overall
 Operating Temperature: -40 to +80°C

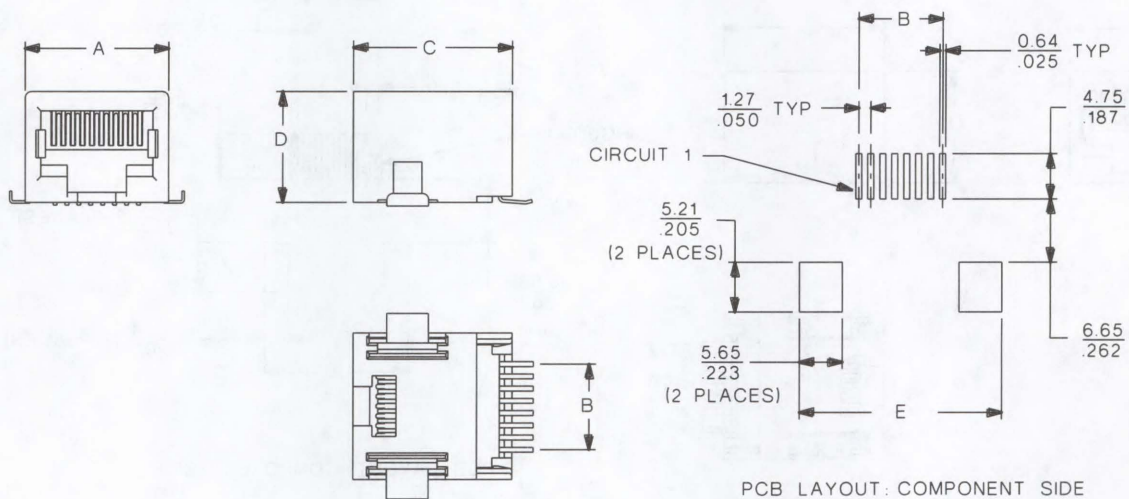
molex® Modular Jack

43743

**SMT, Right Angle
 Low Profile with Outboard
 Fitting Nails**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Dimension				
			A	B	C	D	E
6	2	43743-6201	13.21 (.520)	1.27 (.050)	16.89 (.665)	11.66 (.459)	19.38 (.763)
6	4	43743-6101	13.21 (.520)	3.81 (.150)	16.89 (.665)	11.66 (.459)	19.38 (.763)
6	6	43743-6001	13.21 (.520)	6.35 (.250)	16.89 (.665)	11.66 (.459)	19.38 (.763)
8	4	43743-8301	15.24 (.600)	3.81 (.150)	16.89 (.665)	11.66 (.459)	21.41 (.843)
8	6	43743-8201	15.24 (.600)	6.35 (.250)	16.89 (.665)	11.66 (.459)	21.41 (.843)
8	8	43743-8101	15.24 (.600)	8.89 (.350)	16.89 (.665)	11.66 (.459)	21.41 (.843)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Side-by-side stackability
- Enclosed top
- 100% electrically tested
- .006" max. "nail-to-tail" coplanarity

Reference Information

Product Specification: PS-43743-001
 Packaging: Tape and reel
 UL File No.: E107635
 CSA File No.: LR19980
 Mates With: FCC 68 plugs
 Designed In: Inches

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 10mΩ max.
 Dielectric Withstanding Voltage: 1000V AC
 Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

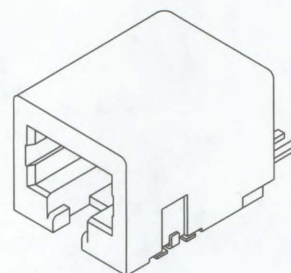
Physical

Housing: Black glass-filled, high-temperature nylon, UL 94V-0
 Contact: Gold per FCC 68.5 specification
 Plating: 1.27μm (50μ") min. Gold in contact area and
 1.27μm (50μ") Tin/Lead on solder tails both over Nickel
 overall
 Operating Temperature: -40 to +80°C

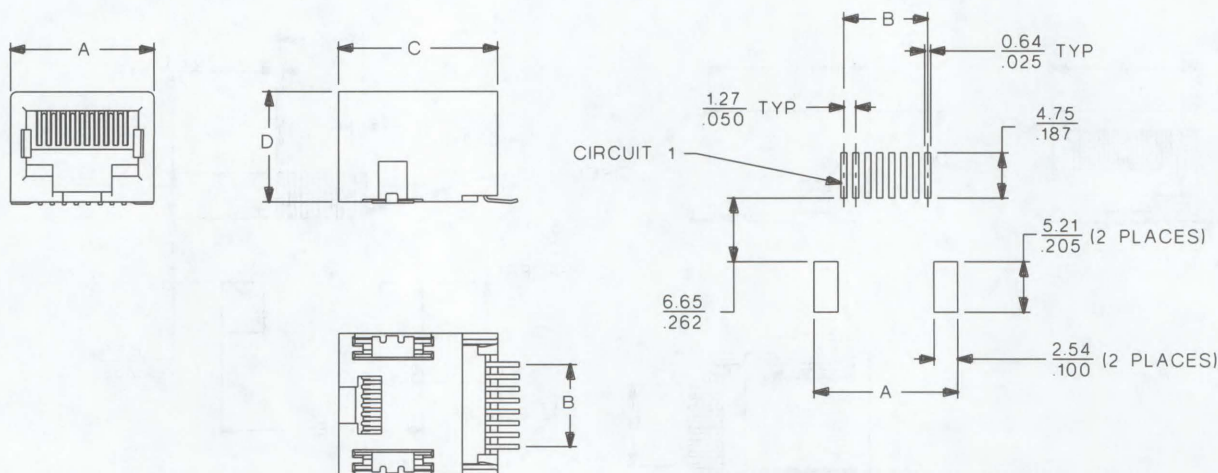
molex® Modular Jack

44144

**SMT, Right Angle
 Low Profile with Flush
 Fitting Nails**



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE

ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Dimension			
			A	B	C	D
6	2	44144-0017	13.21 (.520)	1.27 (.050)	16.89 (.665)	11.66 (.459)
6	4	44144-0004	13.21 (.520)	3.81 (.150)	16.89 (.665)	11.66 (.459)
6	6	44144-0005	13.21 (.520)	6.35 (.250)	16.89 (.665)	11.66 (.459)
8	4	44144-0001	15.24 (.600)	3.81 (.150)	16.89 (.665)	11.66 (.459)
8	6	44144-0002	15.24 (.600)	6.35 (.250)	16.89 (.665)	11.66 (.459)
8	8	44144-0003	15.24 (.600)	8.89 (.350)	16.89 (.665)	11.66 (.459)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Very low profile—about 3/4 that of industry standard
- Automatic vacuum placement possible
- Foot pattern identical to industry standard
- High reliability, square contact
- 0.10mm coplanarity

Reference Information

Product Specification: PS-85502
 Packaging: Anti-static blister reel
 UL File No.: E107635
 Mates With: FCC 68 plugs
 Designed In: Millimeters

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 20mΩ max.
 Insulation Resistance: 500 MΩ min.

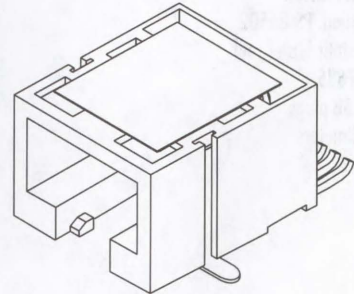
Physical

Housing: Black polyamide, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10) Tin/Lead in tail area both over Nickel overall
 Operating Temperature: -40 to +80°C

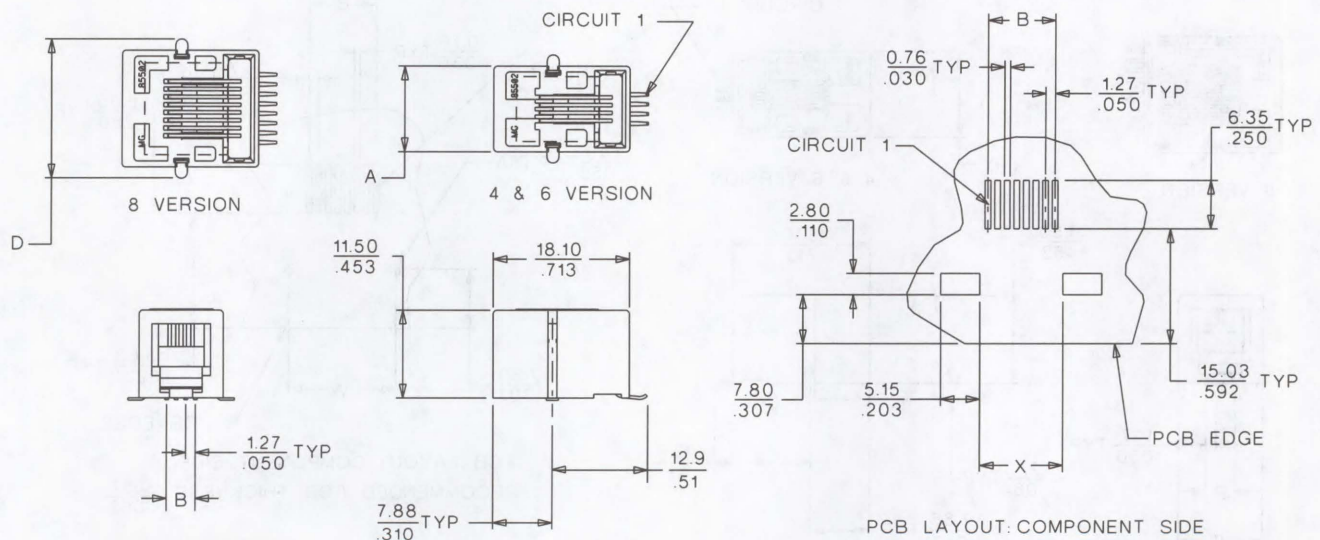
molex® Modular Jack

85502

**SMT, Right Angle
Low Profile**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Dimension			
			A	B	D	X
4	4	85502-0005	11.18 (.440)	3.81 (.150)	14.13 (.556)	6.94 (.273)
6	4	85502-0006	13.21 (.520)	3.81 (.150)	16.16 (.636)	8.97 (.353)
6	6	85502-0007	13.21 (.520)	6.35 (.250)	16.16 (.636)	8.97 (.353)
8	8	85502-0008	15.24 (.600)	8.89 (.350)	18.19 (.716)	11.00 (.433)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Very low profile—about 3/4 that of industry standard
- Automatic vacuum placement possible
- Foot pattern identical to industry standard
- High reliability, square contact
- 0.10mm coplanarity

Reference Information

Product Specification: PS-85502
Packaging: Anti-static blister reel
UL File No.: E107635
Mates With: FCC 68 plugs
Designed In: Millimeters

Electrical

Voltage: 125V
Current: 1.5A
Contact Resistance: 20mΩ max.
Insulation Resistance: 500 MΩ min.

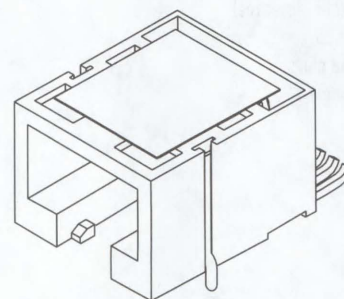
Physical

Housing: Black polyamide, UL 94V-0
Contact: Phosphor Bronze
Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10) Tin/Lead in tail area both over Nickel overall
Operating Temperature: -40 to +80°C

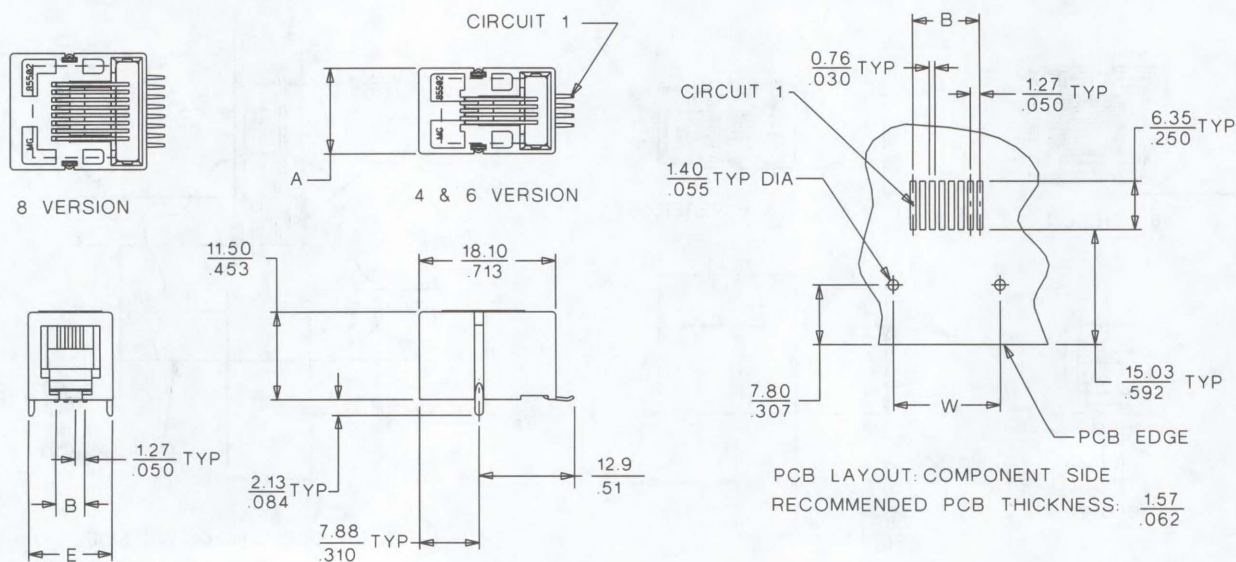
molex® Modular Jack

85502

**SMT, Right Angle
Low Profile
For Pin in Hole Reflow**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Dimension			
			A	B	E	W
4	4	85502-0009	11.18 (.440)	3.81 (.150)	11.08 (.436)	10.13 (.399)
6	4	85502-0010	13.21 (.520)	3.81 (.150)	13.11 (.516)	12.16 (.479)
6	6	85502-0011	13.21 (.520)	6.35 (.250)	13.11 (.516)	12.16 (.479)
8	8	85502-0012	15.24 (.600)	8.89 (.350)	15.14 (.596)	14.19 (.559)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Fully shielded connector
- Shield with enhanced panel grounding tabs
- Automatic vacuum placement

Reference Information

Product Specification: PS-95122
 Packaging: Antistatic blister tape on reels
 Mates With: FCC68 plugs
 Designed In: Millimeters

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 20mΩ max.
 Dielectric Withstanding Voltage: 1000V
 Insulation Resistance: 500 MΩ min.
 Shielding Effectiveness: 20dB min.

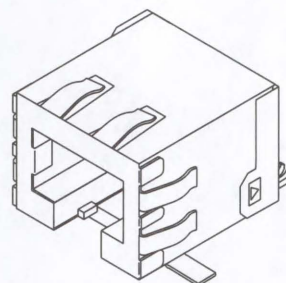
Physical

Housing: Black polyamide, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Contact Area—Post plate 1.27 to 1.52μm (50 to 60μ") Gold
 Solder Tail Area—1.90μm (75μ") min. Tin/Lead
 Underplating—Nickel
 Operating Temperature: -40 to +80°C

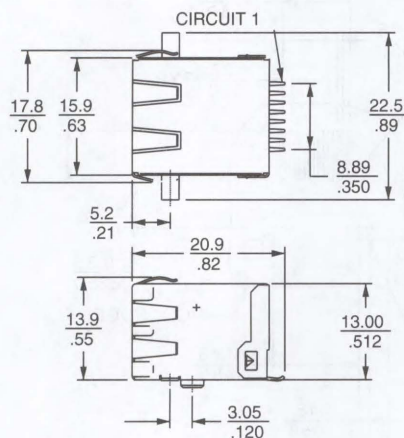
molex® Modular Jack

85542

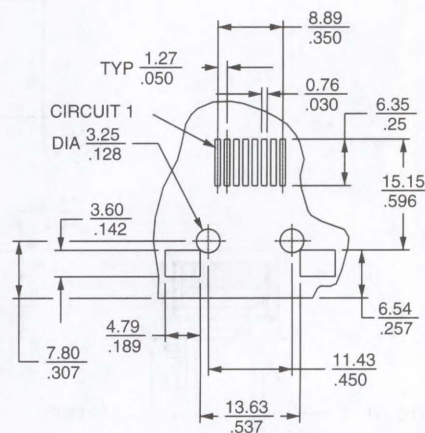
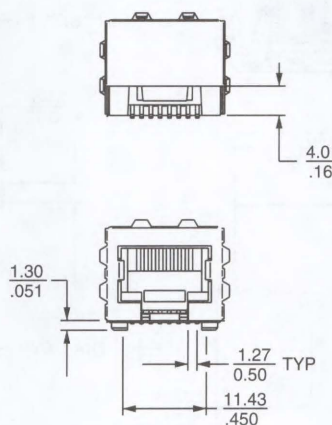
**SMT, Right Angle
 Low Profile
 Shielded**



CATALOG DRAWING (FOR REFERENCE ONLY)



REAR VIEW



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.
8	8	85542-0001

FEATURES AND SPECIFICATIONS

Features and Benefits

- High reliability, square contact
- EMI/RFI protection
- ISDN standard
- Automated vacuum placement
- 0.10mm coplanarity

Reference Information

Product Specification: PS-95040
 Packaging: Blister reel
 Mates With: FCC 68 plugs
 Designed In: Millimeters

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 20m Ω max.
 Dielectric Withstanding Voltage: 1000V
 Insulation Resistance: 500 M Ω min.
 Shielding Effectiveness: 20 dB min.

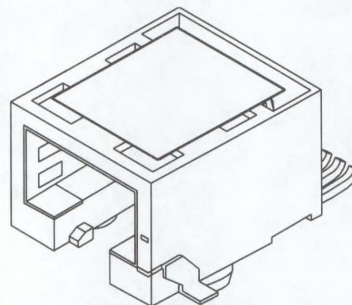
Physical

Housing: Black polyamide, UL 94V-0
 Contact: Phosphor Bronze
 Plating: 1.27 to 1.52 μ m (50 to 60 μ "") Gold in contact area, 1.90 μ m (75 μ "") min. (90/10) Tin/Lead in tail area both over Nickel overall
 Operating Temperature: -40 to +80°C

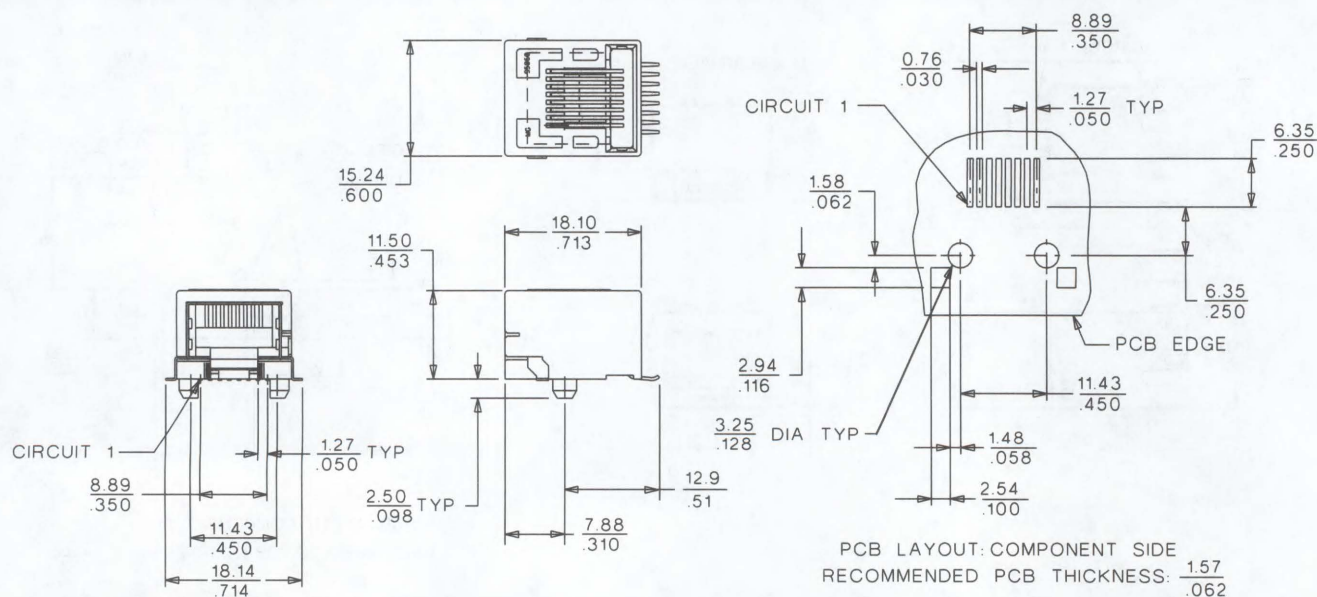
molex® Modular Jack

95040

**SMT, Right Angle,
 Low Profile
 Internal Shield with
 Locating Pegs**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Circuits	Loaded Contacts	Description	Order No.	Packaging
8	8	With plastic locating pegs	• 95040-6885	13" Reel
8	8	With plastic locating pegs	• 95040-6887	22" Reel
8	8	With metal locating pegs	• 95040-6889	13" Reel

• US Standard Product, available through Molex franchised distributors

FEATURES AND SPECIFICATIONS

Features and Benefits

- Robust fitting nails
- Enclosed top
- 100% electrically tested
- .150mm (.006") max. "nail-to-tail" coplanarity

Reference Information

Product Specification: PS-43743-001
 Packaging: Tape and reel
 UL File No.: E107635
 CSA File No.: LR19980
 Designed In: Inches

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 10mΩ max.
 Dielectric Withstanding Voltage: 1000V AC
 Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

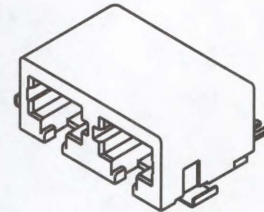
Physical

Housing: Black glass-filled, high temperature nylon, 94V-0
 Plating: Contact Area—1.27μm (50μ") min. Gold
 Solder Tails—1.27μm (50μ") Tin/Lead on both contact area and solder tails over Nickel overall
 Operating Temperature: -40 to +80°C

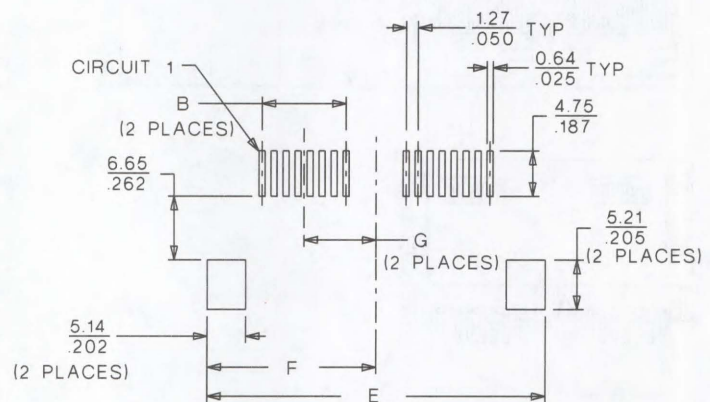
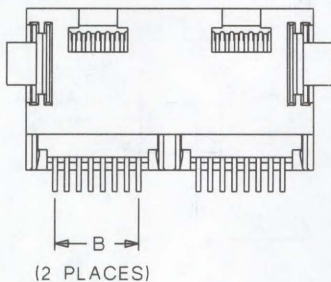
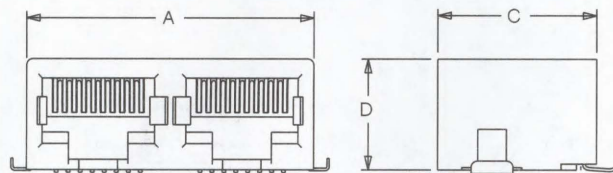
molex® Modular Jack Receptacle

43841

SMT, Right Angle, Low Profile Dual Port with Outboard Fitting Nails



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE

ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Dimension						
			A	B	C	D	E	F	G
6	2	43841-0018	26.42 (1.04)	1.27 (.050)	16.89 (.665)	11.80 (.465)	32.56 (1.28)	16.28 (.641)	6.60 (.260)
6	4	43841-0004	26.42 (1.04)	3.81 (.150)	16.89 (.665)	11.80 (.465)	32.56 (1.28)	16.28 (.641)	6.60 (.260)
6	6	43841-0005	26.42 (1.04)	6.35 (.250)	16.89 (.665)	11.80 (.465)	32.56 (1.28)	16.28 (.641)	6.60 (.260)
8	4	43841-0001	30.48 (1.20)	3.81 (.150)	16.89 (.665)	11.80 (.465)	36.62 (1.44)	18.31 (.721)	7.62 (.300)
8	6	43841-0002	30.48 (1.20)	6.35 (.250)	16.89 (.665)	11.80 (.465)	36.62 (1.44)	18.31 (.721)	7.62 (.300)
8	8	43841-0003	30.48 (1.20)	8.89 (.350)	16.89 (.665)	11.80 (.465)	36.62 (1.44)	18.31 (.721)	7.62 (.300)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Side-by-side stackability when using convection soldering technology
- Enclosed top
- 100% electrically tested
- .150mm (.006") max. "nail-to-tail" coplanarity

Reference Information

Product Specification: PS-43743-001

Packaging: Tape and reel

UL File No.: E107635

CSA File No.: LR19980

Designed In: Inches

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

Physical

Housing: Black glass-filled, high temperature nylon, UL 94V-0

Plating: Contact Area—1.27μm (50μ") min. Gold

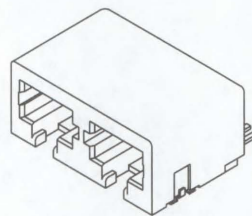
Solder Tails—1.27μm (50μ") Tin/Lead on both contact area and solder tails over Nickel overall

Operating Temperature: -40 to +80°C

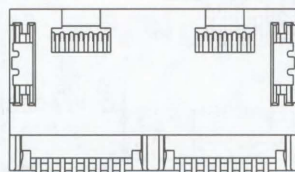
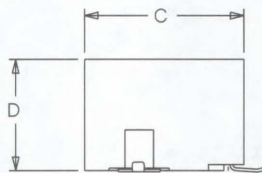
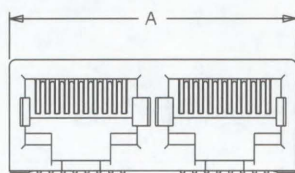
molex® Modular Jack

44193

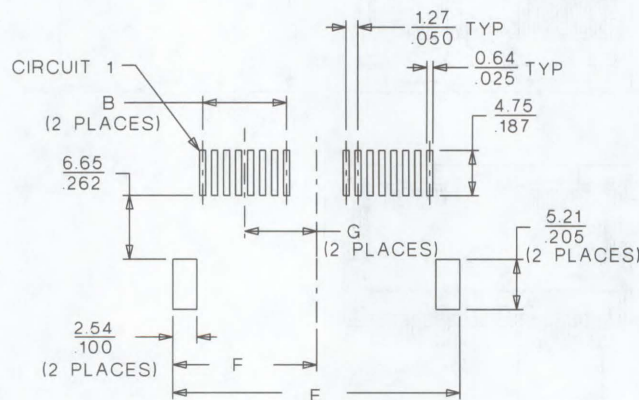
**SMT, Right Angle
Low Profile Dual Port with
Flush Fitting Nails**



CATALOG DRAWING (FOR REFERENCE ONLY)



(2 PLACES)



FEATURES AND SPECIFICATIONS

Features and Benefits

- Fully shielded connector
- Advanced EMI/RFI protection
- ISDN standard
- Industry standard footprint and height
- Automatic vacuum placement

Reference Information

Product Specification: PS-95122
 Packaging: Anti-static blister reel
 Mates With: FCC 68 plugs
 Designed In: Millimeters

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 20mΩ max.
 Dielectric Withstanding Voltage: 1000V
 Insulation Resistance: 500 MΩ min.
 Shielding Effectiveness: 20 dB min.

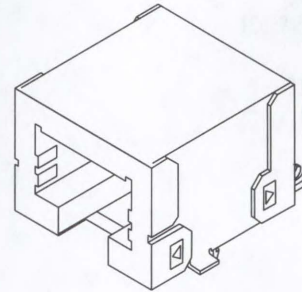
Physical

Housing: Black polyamide, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10) Tin/Lead in tail area both over Nickel overall
 Operating Temperature: -40 to +80°C

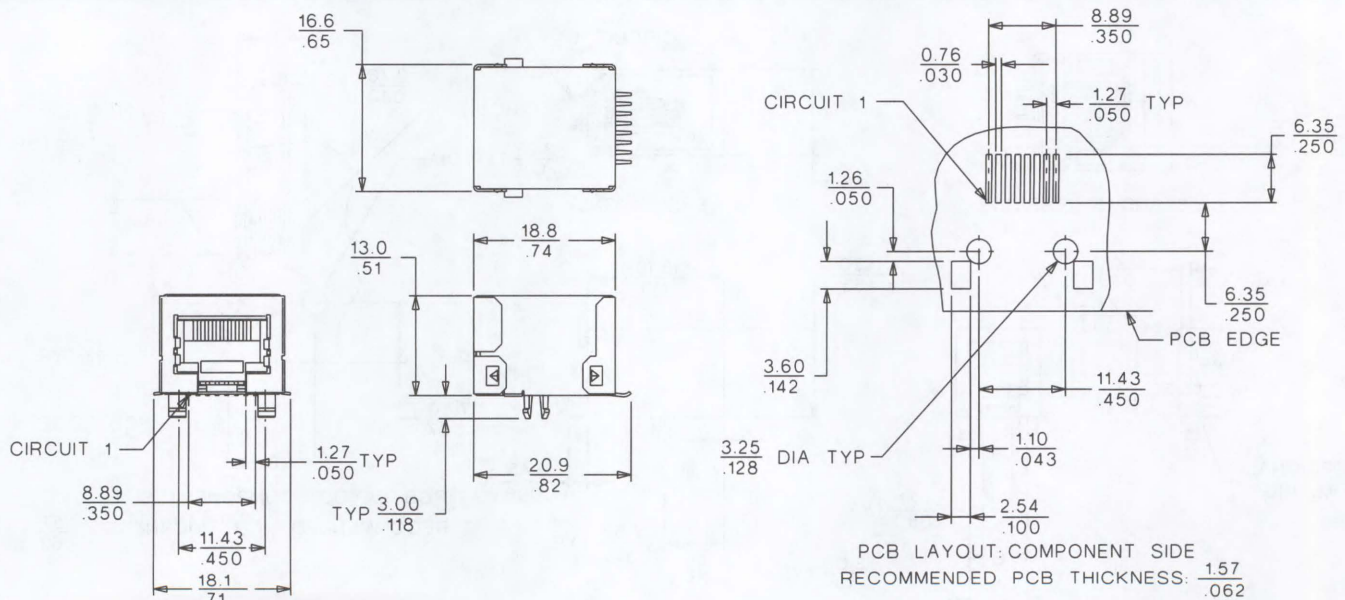
molex® Modular Jack

95122

**SMT, Right Angle
 Standard Profile, Shielded**



CATALOG DRAWING (FOR REFERENCE ONLY)



Modular Plugs and Jacks

0

ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.	Panel Ground	Fixing Pegs
8	8	95122-6881	No	Yes
8	8	95122-6882	Yes	Yes
8	8	95122-6883	No	No
8	8	95122-6884	Yes	No

FEATURES AND SPECIFICATIONS

Features and Benefits

- Very low profile — about 3/4 that of industry standard
- Automatic placement possible
- Foot pattern identical to industry standard
- High reliability, square contact
- Surface Mount Compatible

Reference Information

Product Specification: PS-95001

Packaging: Tube

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Physical

Housing: Gray polyamide, UL 94V-0

Contact: Phosphor Bronze

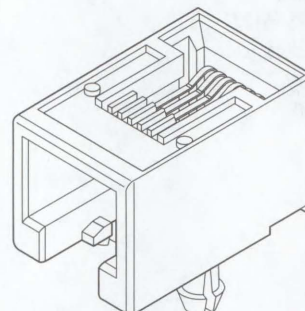
Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10) Tin/Lead in tail area both over Nickel overall

Operating Temperature: -40 to +80°C

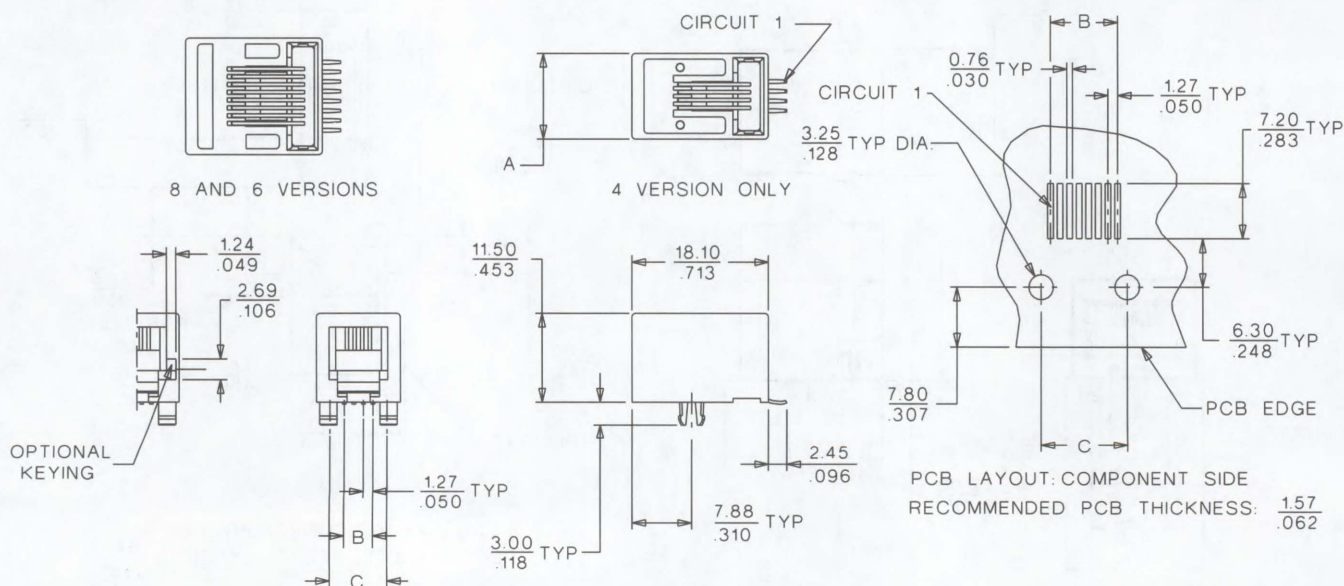
molex® Modular Jack

95001

**Right Angle
Low Profile**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Key	Dimension		
				A	B	C
4	4	• 95001-6441	No	11.18 (.440)	3.81 (.150)	7.62 (.300)
6	4	• 95001-6641	No	13.21 (.520)	3.81 (.150)	10.16 (.400)
6	6	• 95001-6661	No	13.21 (.520)	6.35 (.250)	10.16 (.400)
8	8	• 95001-6881	No	15.24 (.600)	8.89 (.350)	11.43 (.450)
8	8	• 95001-6882	Yes	15.24 (.600)	8.89 (.350)	11.43 (.450)

• US Standard Product, available through Molex franchised distributors

FEATURES AND SPECIFICATIONS

Features and Benefits

- Ultra low profile
- Enhanced panel grounding tabs on shielding RJ-45 configuration
- Enclosed top
- Surface Mount Compatible materials
- Pin through paste solderability
- 100% tested for hi-pot and continuity

Reference Information

Product Specification: PSX-43202

Packaging: Tray

UL File No.: E107635

CSA File No.: LR19980

Use with: FCC 68 Plugs

Designed in: Inches

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical Durability: 500 Cycles min.

Physical

Housing: Black glass-filled nylon, UL 94V-0

Contact: Phosphor Bronze

Plating: Contact Area—Post plate 1.27 to 1.52μm

(50 to 60μ") Gold

Tail Area—1.90μm (75μ") min. Tin/Lead

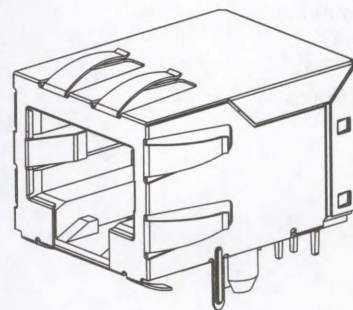
Underplating—Nickel

Operating Temperature: -40 to +85°C

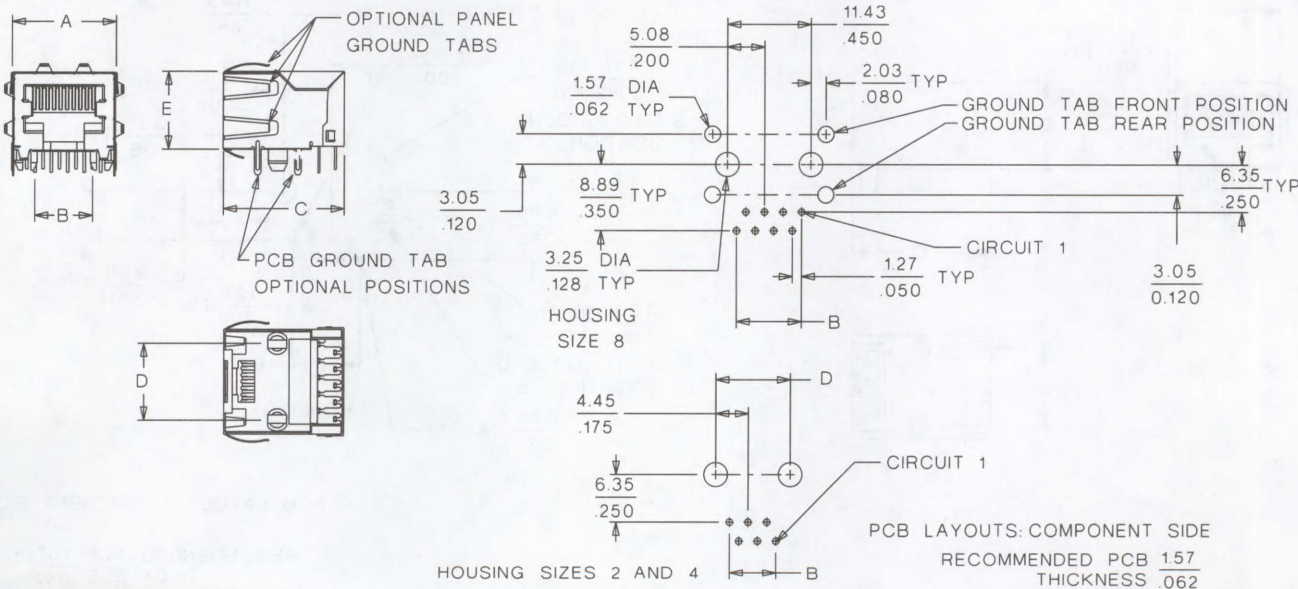
molex® Modular Jack

43202

**Right Angle, Low Profile
Shielded and Unshielded
Versions**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Shield Panel Ground Tab Option	Order No.			Dimension				
			Unshielded	Shielded		A	B	C	D	E
				Front Position PCB Ground Tab	Rear Position PCB Ground Tab					
4	2		43202-4104			11.18 (.440)	1.27 (.050)	18.03 (.710)	7.62 (.300)	11.58 (.456)
	4		43202-4101			11.18 (.440)	3.81 (.150)	18.03 (.710)	7.62 (.300)	11.58 (.456)
6	2		43202-6107			13.21 (.520)	1.27 (.050)	18.03 (.710)	10.16 (.400)	11.58 (.456)
	4		43202-6104			13.21 (.520)	3.81 (.150)	18.03 (.710)	10.16 (.400)	11.58 (.456)
	6		43202-6101			13.21 (.520)	6.35 (.250)	18.03 (.710)	10.16 (.400)	11.58 (.456)
	8		43202-8104			15.24 (.600)	8.89 (.350)	18.03 (.710)	11.43 (.450)	11.58 (.456)
8	8	All Panel Ground Tabs		43202-8919	43202-8927	15.85 (.624)	8.89 (.350)	18.39 (.724)	11.43 (.450)	12.09 (.476)
	8	Offset Panel Ground Tabs		43202-8918	43202-8926	15.85 (.624)	8.89 (.350)	18.39 (.724)	11.43 (.450)	12.09 (.476)
	8	Top Panel Ground Tabs		43202-8917	43202-8925	15.85 (.624)	8.89 (.350)	18.39 (.724)	11.43 (.450)	12.09 (.476)
	8	No Panel Ground Tabs		43202-8916	43202-8924	15.85 (.624)	8.89 (.350)	18.39 (.724)	11.43 (.450)	12.09 (.476)
	10		43202-8101			15.24 (.600)	11.43 (.450)	18.03 (.710)	11.43 (.450)	11.58 (.456)
	10	All Panel Ground Tabs		43202-8903	43202-8911	15.85 (.624)	11.43 (.450)	18.39 (.724)	11.43 (.450)	12.09 (.476)
	10	Offset Panel Ground Tabs		43202-8902	43202-8910	15.85 (.624)	11.43 (.450)	18.39 (.724)	11.43 (.450)	12.09 (.476)
	10	Top Panel Ground Tabs		43202-8901	43202-8909	15.85 (.624)	11.43 (.450)	18.39 (.724)	11.43 (.450)	12.09 (.476)
	10	No Panel Ground Tabs		43202-8900	43202-8908	15.85 (.624)	11.43 (.450)	18.39 (.724)	11.43 (.450)	12.09 (.476)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Optional full shield
- Surface mount compatible
- 100% tested for hi-pot and continuity
- Duplex-plated 50μ" Gold meets FCC part 68 requirements
- Meets UL 1863 Sec. 8 Electrical Probe and UL 1863 Sec. 20 Child Finger Test

Reference Information

Product Specification: PS-43249
Packaging: Anti-static trays
UL File No.: E107635
CSA File No.: LR19980
Mates With: FCC 68 plugs
Designed In: Inches

Electrical

Voltage: 125V
Current: 1.5A
Contact Resistance: 10mΩ max.
Dielectric Withstanding Voltage: 1000V AC
Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

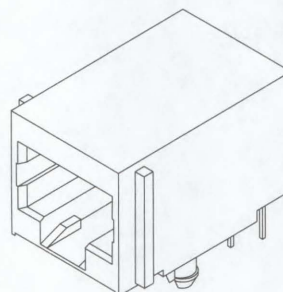
Physical

Housing: Black glass-filled nylon, UL 94V-0
Contact: Phosphor Bronze
Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10) Tin/Lead in tail area both over Nickel overall
Operating Temperature: -40 to +80°C

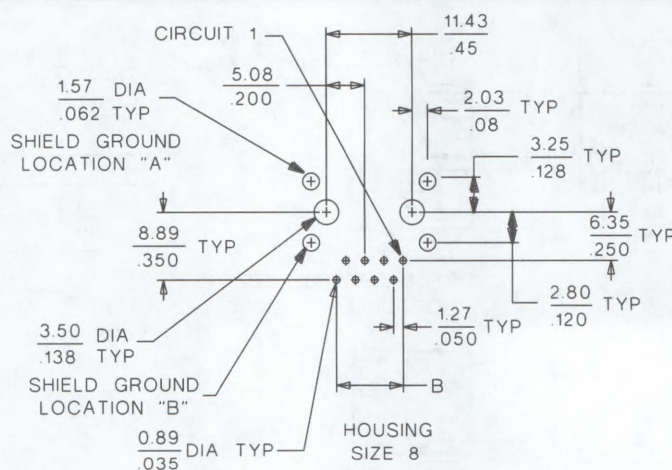
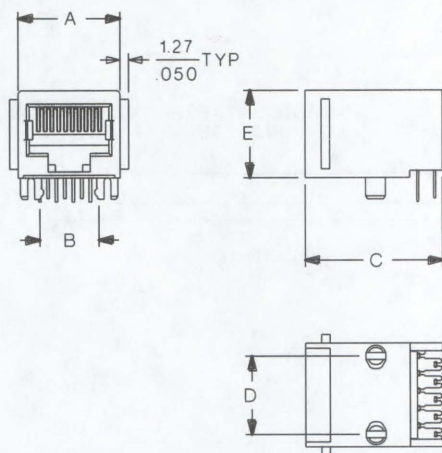
molex® Modular Jack

43249

**Right Angle, Low Profile
Shielded and Unshielded
Versions**



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE

RECOMMENDED PCB 1.57
THICKNESS .062

ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Shield Panel Ground Tab Options	Order No.				Dimension				
			Unshielded Flush Mount	Unshielded Flangeless	Front Position PCB Grounding Tabs	Rear Position PCB Grounding Tabs	A	B	C	D	E
6	4	None	43249-6004	43249-6104			13.21 (.520)	3.81 (.150)	20.57 (.810)	10.16 (.400)	12.83 (.505)
6	6	None	43249-6001	43249-6101			13.21 (.520)	6.35 (.250)	20.57 (.810)	10.16 (.400)	12.83 (.505)
8	6	None	43249-8010	43249-8116			15.75 (.600)	6.35 (.250)	20.57 (.810)	11.43 (.450)	12.83 (.505)
8	8	None	43249-8004	43249-8104			15.75 (.600)	8.89 (.350)	20.57 (.810)	11.43 (.450)	12.83 (.505)
		All panel ground tabs			43249-8919	43249-8927	16.15 (.636)	8.89 (.350)	21.05 (.829)	11.43 (.450)	13.00 (.512)
		Offset panel ground tabs			43249-8918	43249-8926	16.15 (.636)	8.89 (.350)	21.05 (.829)	11.43 (.450)	13.00 (.512)
8	8	Top panel ground tabs			43249-8917	43249-8925	16.15 (.636)	8.89 (.350)	21.05 (.829)	11.43 (.450)	13.00 (.512)
8	8	No panel ground tabs			43249-8916	43249-8924	16.15 (.636)	8.89 (.350)	21.05 (.829)	11.43 (.450)	13.00 (.512)
8	10	None	43249-8001	43249-8101			15.75 (.600)	11.43 (.450)	20.57 (.810)	11.43 (.450)	12.83 (.505)
8	10	All panel ground tabs			43249-8903	43249-8911	16.15 (.636)	11.43 (.450)	21.05 (.829)	11.43 (.450)	13.00 (.512)
8	10	Offset panel ground tabs			43249-8902	43249-8910	16.15 (.636)	11.43 (.450)	21.05 (.829)	11.43 (.450)	13.00 (.512)
8	10	Top panel ground tabs			43249-8901	43249-8909	16.15 (.636)	11.43 (.450)	21.05 (.829)	11.43 (.450)	13.00 (.512)
8	10	No panel ground tabs			43249-8900	43249-8908	16.15 (.636)	11.43 (.450)	21.05 (.829)	11.43 (.450)	13.00 (.512)

Note: Contact Molex for alternative circuit sizes, keying options and shield options.

FEATURES AND SPECIFICATIONS

Features and Benefits

- Very low profile — about 3/4 that of industry standard
- Automatic placement possible
- Foot pattern identical to industry standard
- High reliability, square contact

Reference Information

Product Specification: PS-95001-E

Packaging: Tray

UL File No.: 89082

CSA File No.: 89083

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Physical

Housing: Standard—Black polyester, UL 94V-0

High Temperature—Black polyamide, UL 94V-0

Contact: Phosphor Bronze

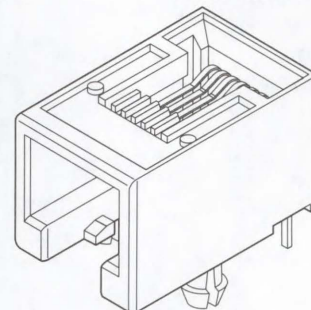
Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10) Tin/Lead in tail area both over Nickel overall

Operating Temperature: -40 to +80°C

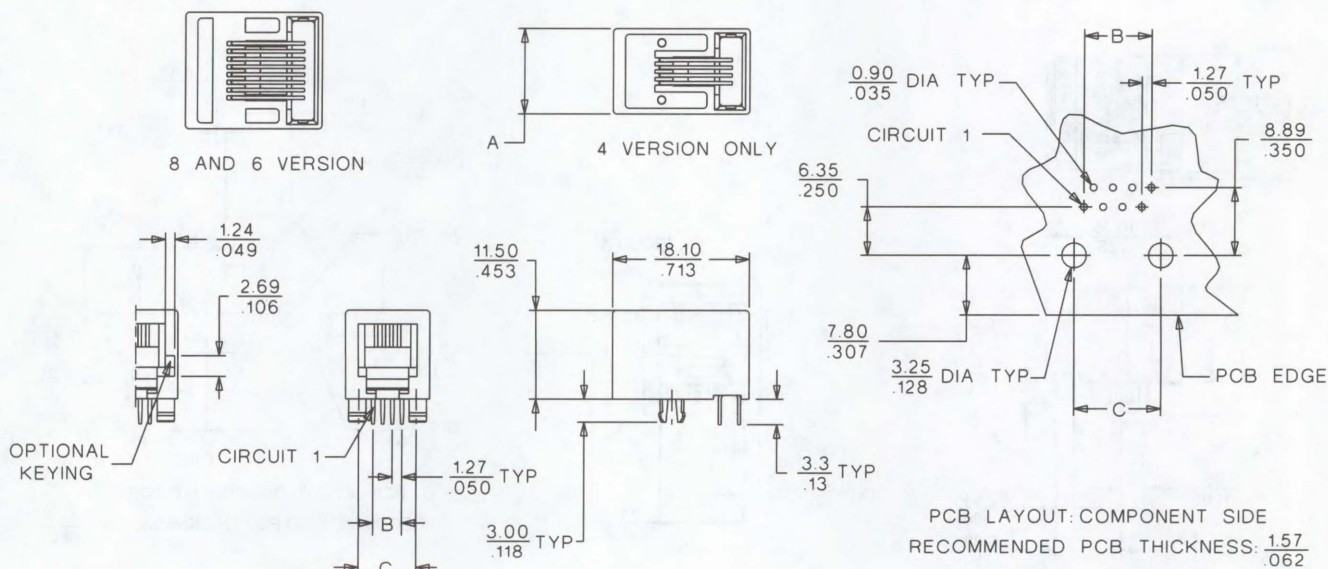
molex® Modular Jack

95001

**Right Angle
Low Profile**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.		Key	Dimension		
		Standard	High Temperature		A	B	C
4	4	• 95001-2441	95001-8441	No	11.18 (.440)	3.81 (.150)	7.62 (.300)
6	4	• 95001-2641	95001-8641	No	13.21 (.520)	3.81 (.150)	10.16 (.400)
6	6	• 95001-2661	95001-8661	No	13.21 (.520)	6.35 (.250)	10.16 (.400)
8	8	• 95001-2881	95001-8881	No	15.24 (.600)	8.89 (.350)	11.43 (.450)
8	8	• 95001-2882		Yes	15.24 (.600)	8.89 (.350)	11.43 (.450)

• US Standard Product, available through Molex franchised distributors

FEATURES AND SPECIFICATIONS

Features and Benefits

- Foot pattern identical to industry standard
- High reliability, square contact
- EMI/RFI protection
- ISDN Standard

Reference Information

Product Specification: PS-85520-005

Packaging: Tray

Mates With: FCC68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Physical

Housing: Black polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: Contact Area—Post plate 1.27 to 1.52μm
(50 to 60μ") Gold

Solder Tail Area—1.90μm (75μ") min. Tin/Lead

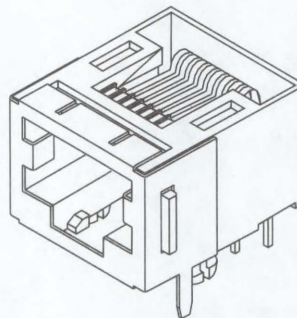
Underplating—Nickel

Operating Temperature: -40 to +80°C

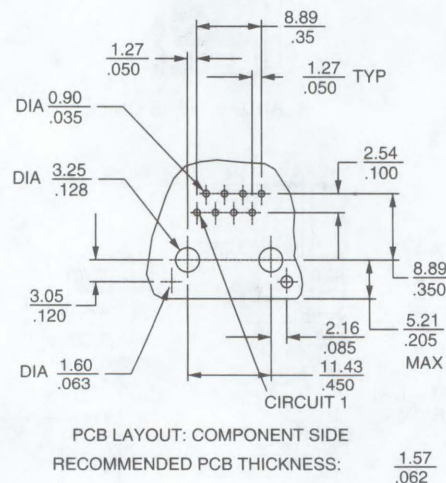
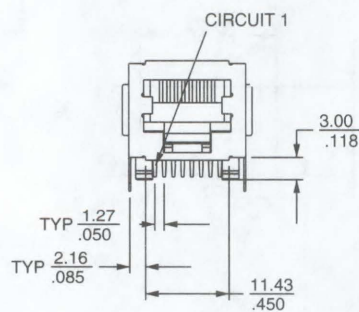
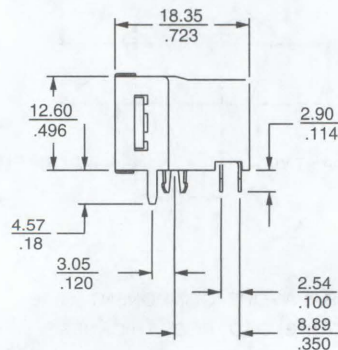
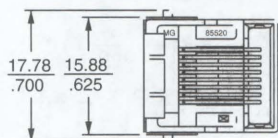
molex® Modular Jack

85520

**Right Angle
Low Profile
Front Shield**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.
8	8	85520-0002

Features and Benefits

- High reliability, square contact
- EMI/RFI protection
- ISDN standard

Reference Information

Product Specification: PS-95040

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 M Ω min.

Shielding Effectiveness: 20 dB min.

Physical

Housing: Standard—Black polyester, UL 94V-0

High Temperature—Black polyamide, UL 94V-0

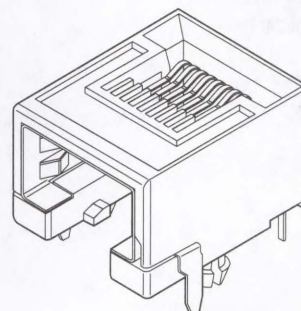
Contact: Phosphor Bronze

Plating: 1.27 to 1.52 μ m (50 to 60 μ in) Gold in contact area, 1.90 μ m (75 μ in) min. (90/10) Tin/Lead in tail area both over Nickel overall

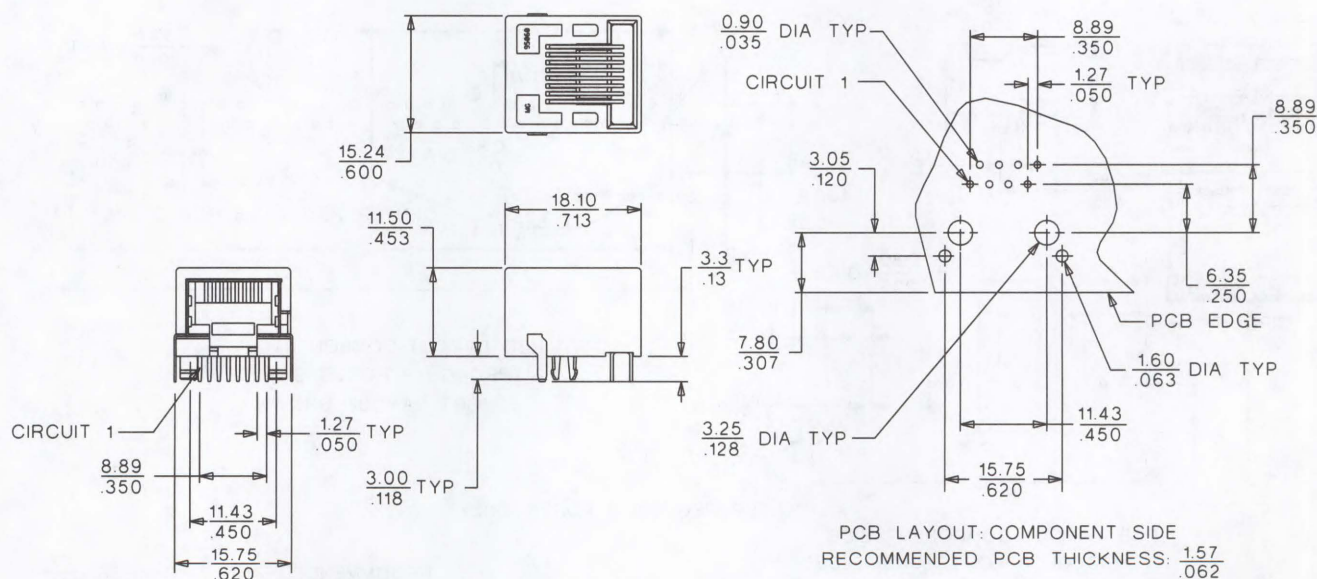
Operating Temperature: -40 to +80°C

95040

Right Angle Low Profile, Internal Shield



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.	High Temperature
8	8	• 95040-2881	No
8	8	95040-2889	Yes

- US Standard Product, available through Molex franchised distributors

FEATURES AND SPECIFICATIONS

Features and Benefits

- 2 to 8 port (except 7) RJ11 and RJ45
- Optional shielding on RJ45 ganged jacks
- 100% tested for hi-pot and continuity
- Duplex-plated 50μ" Gold meets FCC part 68 requirements

Reference Information

Product Specification: PS-43223
Packaging: Anti-static blister reel
UL File No.: E107635
CSA File No.: LR19980
Mates With: FCC 68 plugs
Designed In: Inches

Electrical

Voltage: 125V
Current: 1.5A
Contact Resistance: 10mΩ max.
Dielectric Withstanding Voltage: 1000V AC
Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

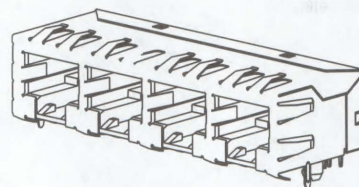
Physical

Housing: Black fiber-filled nylon, UL 94V-0
Contact: Phosphor Bronze
Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10) Tin/Lead in tail area both over Nickel overall
Operating Temperature: -40 to +80°C

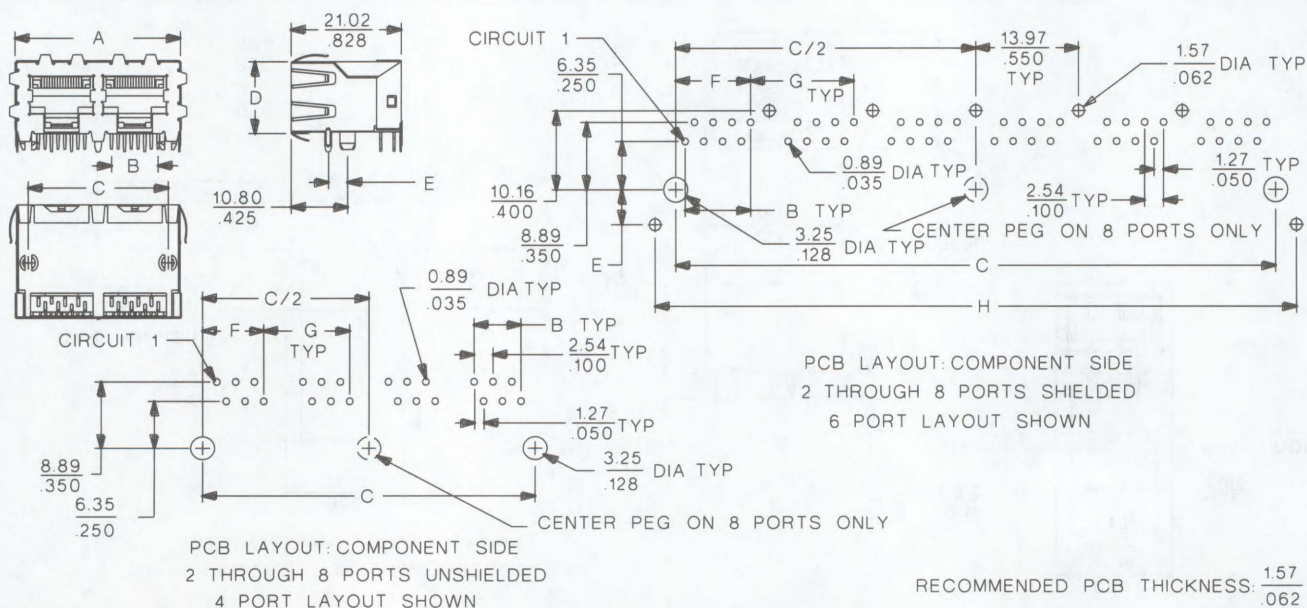
molex® Modular Jack

43223

**Ganged, Right Angle
Low Profile, Shielded and
Unshielded Versions**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	No. of Ports	Order No.			Dimension							
			Unshielded		Shielded	A	B	C	D	E	F	G	H
			Flush Mount	Flangeless	Flangeless								
6	4	2	43223-6022	43223-6122		25.02 (.985)	3.81 (.150)	21.54 (.848)	12.83 (.505)		6.99 (.275)	11.38 (.448)	
6	4	4	43223-6028	43223-6128		47.78 (1.881)	3.81 (.150)	44.30 (1.744)	12.83 (.505)		6.99 (.275)	11.38 (.448)	
6	4	6	43223-6034	43223-6134		70.54 (2.777)	3.81 (.150)	67.06 (2.640)	12.83 (.505)		6.99 (.275)	11.38 (.448)	
6	4	8	43223-6040	43223-6140		93.29 (3.673)	3.81 (.150)	89.81 (3.536)	12.83 (.505)		6.99 (.275)	11.38 (.448)	
6	6	2	43223-6001	43223-6101		25.02 (.985)	6.35 (.250)	21.54 (.848)	12.83 (.505)		8.26 (.325)	11.38 (.448)	
6	6	4	43223-6007	43223-6107		47.78 (1.881)	6.35 (.250)	44.30 (1.744)	12.83 (.505)		8.26 (.325)	11.38 (.448)	
6	6	6	43223-6013	43223-6113		70.54 (2.777)	6.35 (.250)	67.06 (2.640)	12.83 (.505)		8.26 (.325)	11.38 (.448)	
6	6	8	43223-6019	43223-6119		93.29 (3.673)	6.35 (.250)	89.81 (3.536)	12.83 (.505)		8.26 (.325)	11.38 (.448)	
8	8	2	43223-8022	43223-8122		30.48 (1.200)	8.89 (.350)	25.40 (1.000)	12.83 (.505)		10.16 (.400)	13.97 (.550)	
8	8	2			43223-8128	31.09 (1.224)	8.89 (.350)	25.40 (1.000)	13.30 (5.24)	4.57 (.180)	10.16 (.400)	13.97 (.550)	30.99 (1.220)
8	8	4	43223-8028	43223-8140		58.42 (2.300)	8.89 (.350)	53.34 (2.100)	12.83 (.505)		10.16 (.400)	13.97 (.550)	
8	8	4			43223-8146	59.03 (2.324)	8.89 (.350)	53.34 (2.100)	13.30 (5.24)	4.57 (.180)	10.16 (.400)	13.97 (.550)	58.93 (2.320)
8	8	6	43223-8034	43223-8158		86.36 (3.400)	8.89 (.350)	81.28 (3.200)	12.83 (.505)		10.16 (.400)	13.97 (.550)	
8	8	6			43223-8164	86.97 (3.424)	8.89 (.350)	81.28 (3.200)	13.30 (5.24)	4.57 (.180)	10.16 (.400)	13.97 (.550)	86.87 (3.420)
8	8	8	43223-8040	43223-8176		114.30 (4.500)	8.89 (.350)	109.22 (4.300)	12.83 (.505)		10.16 (.400)	13.97 (.550)	
8	8	8			43223-8182	114.91 (4.524)	8.89 (.350)	109.22 (4.300)	13.30 (5.24)	4.57 (.180)	10.16 (.400)	13.97 (.550)	114.81 (4.520)

Note: Contact Molex for alternative grounding tab option "E" 3.68mm (.145") order numbers, circuit sizes and port sizes

Features and Benefits

- Fully shielded connector
- Advanced EMI/RFI protection
- ISDN standard
- Industry standard footprint and height

Reference Information

Product Specification: PS-95122

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 M Ω min.

Shielding Effectiveness: 20 dB min.

Physical

Housing: Black polyester

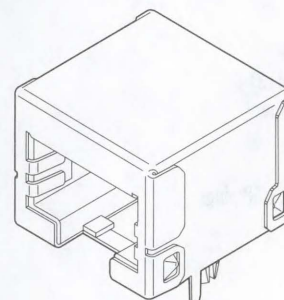
Contact: Phosphor Bronze

Plating: Post plate 1.27 to 1.52 μ m (50 to 60 μ in) Gold in contact area, 1.90 μ m (75 μ in) min. (90/10) Tin/Lead in tail area both over Nickel overall

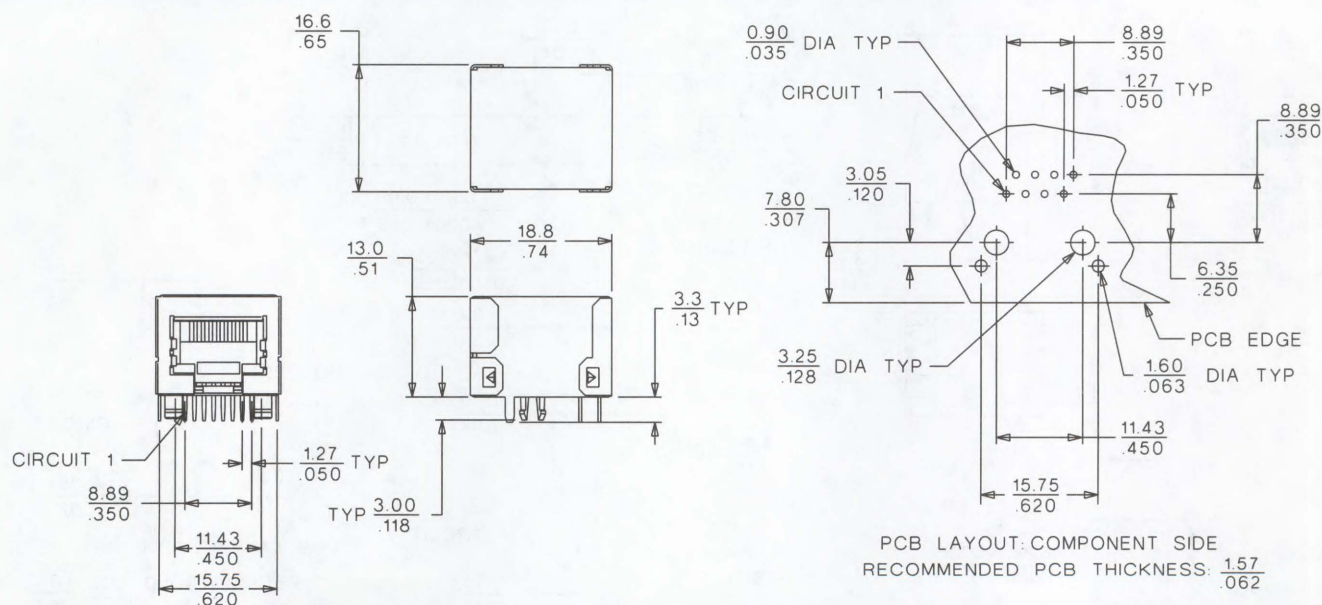
Operating Temperature: -40 to +80°C

95122

Right Angle Standard Profile, Shielded



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.	Panel Ground
8	8	95122-2881	No
8	8	95122-2882	Yes
8	8	95122-2883	No

FEATURES AND SPECIFICATIONS

Features and Benefits

- 50μ" Gold meets FCC 68 requirements
- Keying options available
- Top-covered leads meet British Telecom 4000V test
- Contacts are duplex plated after stamping, eliminating bare edges in the mating area
- Every jack must pass on-line functional tests, including hi-pot and continuity

Reference Information

Product Specification: PS-41314
 Packaging: Film pack or tray
 UL File No.: E107635
 CSA File No.: LR19980
 Mates With: WE Co. and FCC 68 plugs
 Designed In: Inches

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 10mΩ max.
 Dielectric Withstanding Voltage: 1000V AC
 Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

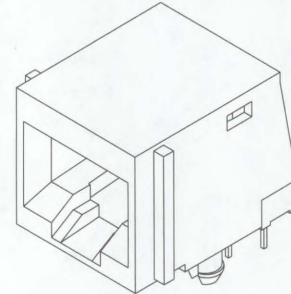
Physical

Housing: Black glass-filled polyester, UL 94V-0
 Contact: Phosphor Bronze
 Plating: 1.27μm (50μ") min. Gold in contact area and 1.27μm (50μ") min. Tin/Lead on solder tails both over Nickel overall
 Operating Temperature: -40 to +80°C

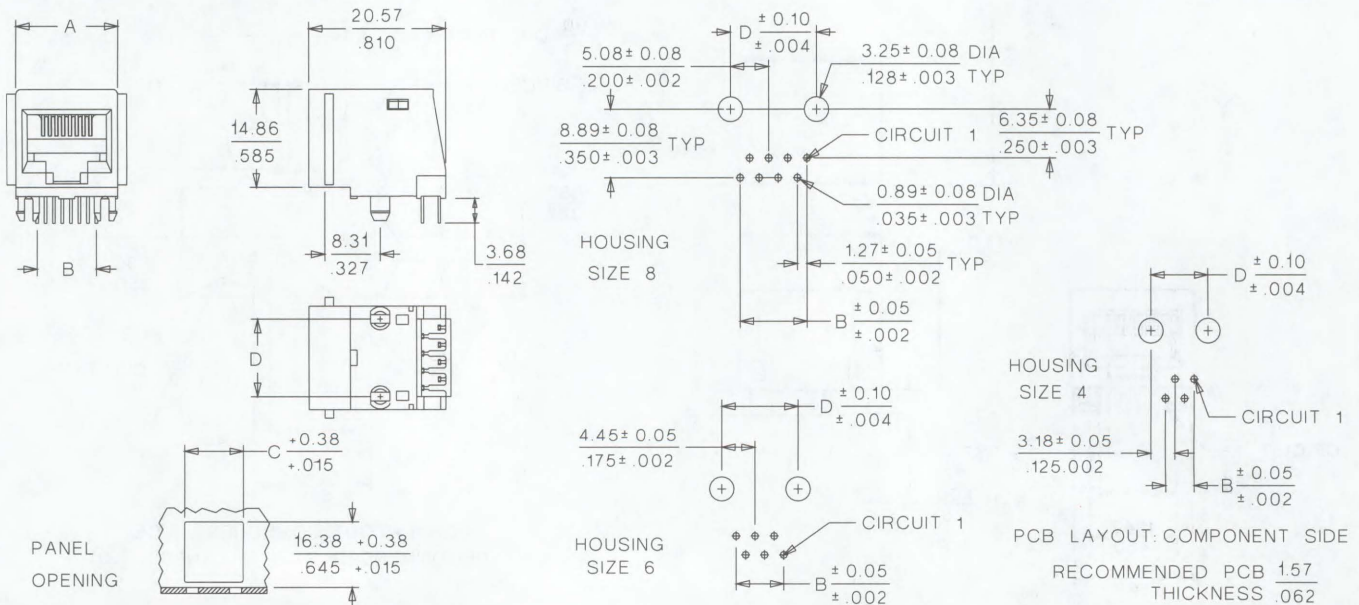
molex® Modular Jack

41369/42063/42313

**Right Angle, Standard Profile
Flush Mount**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.		Universal Service Order Code	Keyed	Dimension			
		Film Pack	Tray Pack			A	B	C	D
4	2	15-43-7040	• 15-43-7540		No	11.20 (.440)	1.27 (.050)	11.56 (.455)	7.62 (.300)
4	4	15-43-7044	• 15-43-7544		No	11.20 (.440)	3.81 (.150)	11.56 (.455)	7.62 (.300)
6	2	15-43-7063	• 15-43-7563	RJ11W/RJ11C	No	13.20 (.520)	1.27 (.050)	13.59 (.535)	10.16 (.400)
6	4	15-43-7064	• 15-43-7564	RJ16	No	13.20 (.520)	3.81 (.150)	13.59 (.535)	10.16 (.400)
6	6	15-43-7066	• 15-43-7566	RJ12/RJ18/RJ25	No	13.20 (.520)	6.35 (.250)	13.59 (.535)	10.16 (.400)
6 Offset Latch	6	15-43-6111	15-43-6110		Offset Latch DEconnect	13.20 (.520)	6.35 (.250)	13.59 (.535)	10.16 (.400)
8	2	15-43-7080	• 15-43-7580		No	15.20 (.600)	1.27 (.050)	15.62 (.615)	11.43 (.450)
8 Keyed	2	15-43-9010	• 15-43-9510		Yes/RJ45	15.20 (.600)	1.27 (.050)	15.62 (.615)	11.43 (.450)
8	4	15-43-7084	• 15-43-7584		No	15.20 (.600)	3.81 (.150)	15.62 (.615)	11.43 (.450)
8 Keyed	4	15-43-9007	• 15-43-9507		Yes/RJ45	15.20 (.600)	3.81 (.150)	15.62 (.615)	11.43 (.450)
8	6	15-43-7086	• 15-43-7586		No	15.20 (.600)	6.35 (.250)	15.62 (.615)	11.43 (.450)
8 Keyed	6	15-43-9004	• 15-43-9504		Yes/RJ45	15.20 (.600)	6.35 (.250)	15.62 (.615)	11.43 (.450)
8	8	15-43-7088	• 15-43-7588	RJ48	No	15.20 (.600)	8.89 (.350)	15.62 (.615)	11.43 (.450)
8 Keyed	8	15-43-9001	• 15-43-9501	RJ14/RJ45	Yes/RJ45	15.20 (.600)	8.89 (.350)	15.62 (.615)	11.43 (.450)

• US Standard Product, available through Molex franchised distributors

FEATURES AND SPECIFICATIONS

Features and Benefits

- Industry compatible footprints
- Flush mount
- Split snap-fit retention pegs
- High reliability, square contacts

Reference Information

Product Specification: PS-95009-E
Packaging: Tray
UL File No.: E107635
Mates With: FCC 68 plugs
Designed In: Millimeters

Electrical

Voltage: 125V
Current: 1.5A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 1000V
Insulation Resistance: 500 MΩ min.

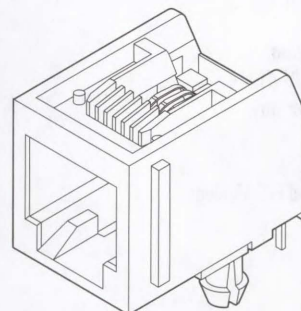
Physical

Housing: Black polyester, UL 94V-0
Contact: Phosphor Bronze
Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10) Tin/Lead in tail area both over Nickel overall
Operating Temperature: -40 to +80°C

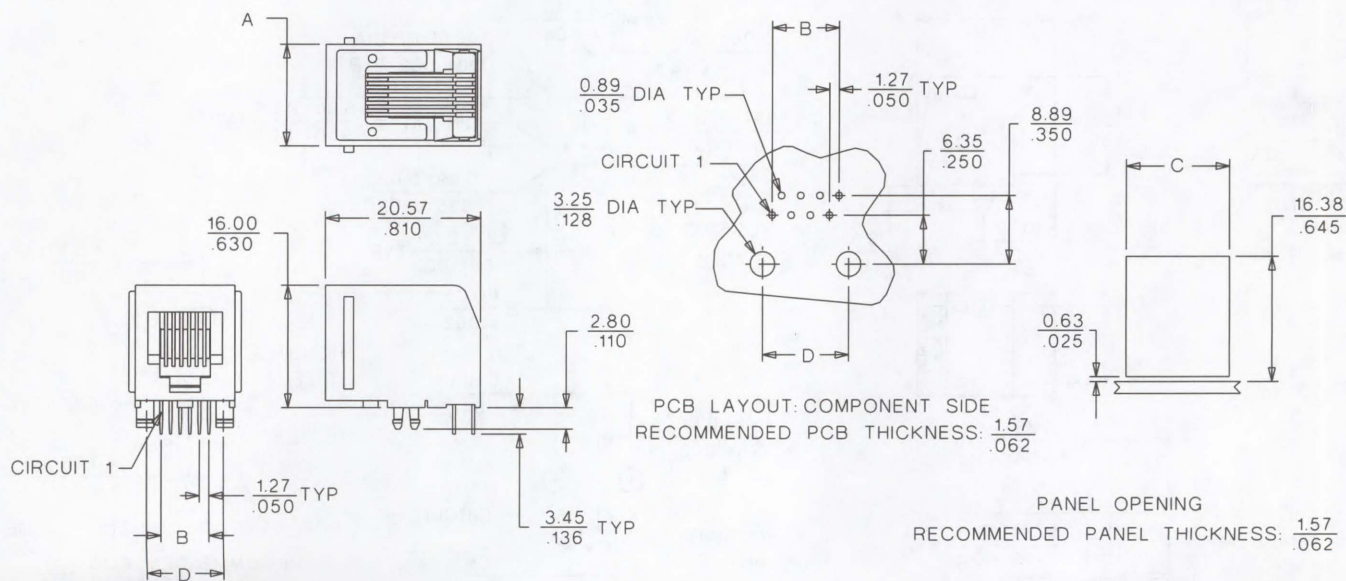
molex® Modular Jack

95009

**Right Angle, Standard Profile
Flush Mount**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Mounting Rib	Dimension			
				A	B	C	D
4	4	• 95009-2441	Yes	11.18 (.440)	3.81 (.150)	11.56 (.455)	7.62 (.390)
		95009-2447	No				
6	4	• 95009-2641	Yes	13.21 (.520)	3.81 (.150)	13.59 (.535)	10.16 (.400)
		• 95009-2647	No				
6	6	95009-2661	Yes	13.21 (.520)	6.35 (.250)	13.59 (.535)	10.16 (.400)
		95009-2667	No				
8	8	95009-2881	Yes	15.24 (.600)	8.89 (.350)	15.62 (.615)	11.43 (.450)
		95009-2887	No				

• US Standard Product, available through Molex franchised distributors

FEATURES AND SPECIFICATIONS

Features and Benefits

- 50μ" Gold meets FCC 68 requirements
- Keying options available
- Top-covered leads meet British Telecom 4000V test
- Contacts are duplex plated after stamping, eliminating bare edges in the mating area
- Every jack must pass on-line functional tests, including hi-pot and continuity

Reference Information

Product Specification: PS-41314
 Packaging: Film pack or tray
 UL File No.: E107635
 CSA File No.: LR19980
 Mates With: WE Co. and FCC 68 plugs
 Designed In: Inches

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 10mΩ max.
 Dielectric Withstanding Voltage: 1000V AC
 Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

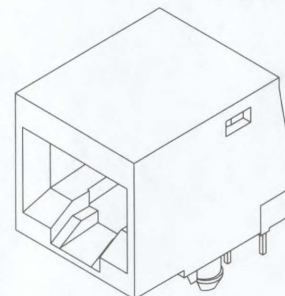
Physical

Housing: Black glass-filled polyester, UL 94V-0
 Contact: Phosphor Bronze
 Plating: 1.27μm (50μ") min. Gold in contact area and
 1.27μm (50μ") min. Tin/Lead on solder tails both over
 Nickel overall
 Operating Temperature: -40 to +80°C

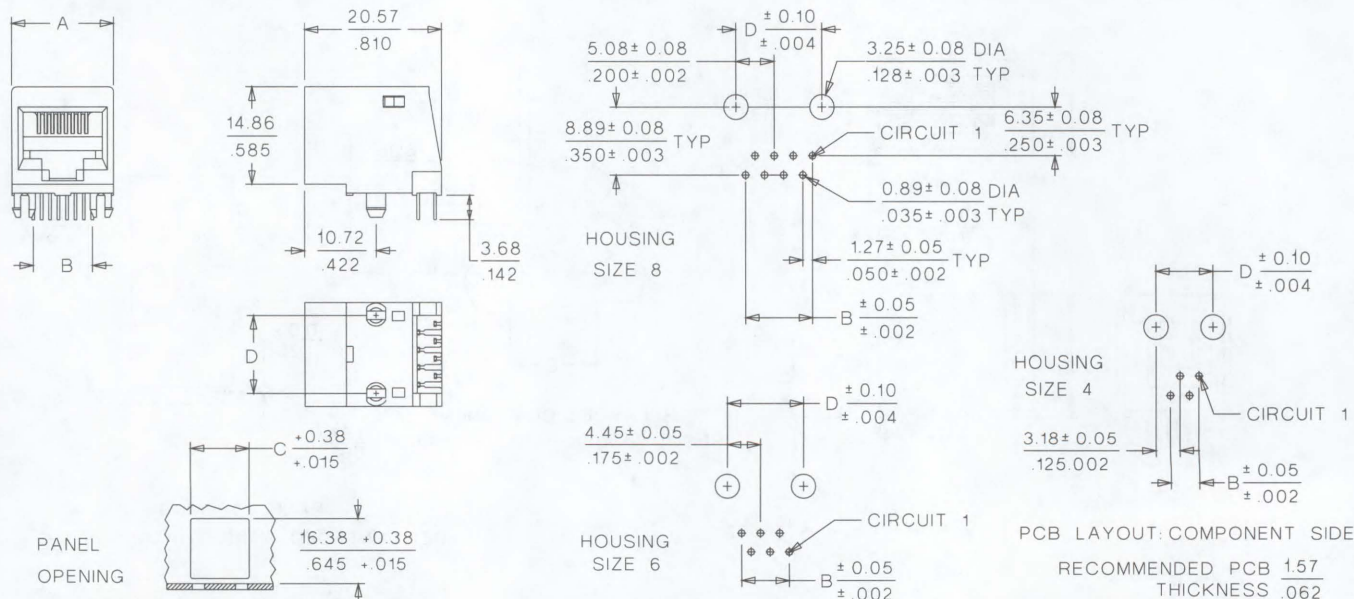
molex® Modular Jack

41687/42118

**Right Angle, Standard Profile
 Flangeless**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.		Universal Service Order Code	Keyed	Dimension			
		Film Pack	Tray Pack			A	B	C	D
4	2	15-43-8041	• 15-43-8541		No	11.18 (.440)	1.27 (.050)	11.56 (.455)	7.62 (.300)
4	4	15-43-8044	• 15-43-8544		No	11.18 (.440)	3.81 (.150)	11.56 (.455)	7.62 (.300)
6	2	15-43-8061	• 15-43-8561	RJ11W/RJ11C	No	13.21 (.520)	1.27 (.050)	13.59 (.535)	10.16 (.400)
6	4	15-43-8064	• 15-43-8564	RJ16	No	13.21 (.520)	3.81 (.150)	13.59 (.535)	10.16 (.400)
6	6	15-43-8066	• 15-43-8566	RJ12/RJ18/RJ25	No	13.21 (.520)	6.35 (.250)	13.59 (.535)	10.16 (.400)
8	2	15-43-8090	• 15-43-8590		No	15.24 (.600)	1.27 (.050)	15.62 (.615)	11.43 (.450)
8 Keyed	2	15-43-8010	• 15-43-8510		Yes/RJ45	15.24 (.600)	1.27 (.050)	15.62 (.615)	11.43 (.450)
8	4	15-43-8084	• 15-43-8584		No	15.24 (.600)	3.81 (.150)	15.62 (.615)	11.43 (.450)
8 Keyed	4	15-43-8007	• 15-43-8507		Yes/RJ45	15.24 (.600)	3.81 (.150)	15.62 (.615)	11.43 (.450)
8	6	15-43-8086	• 15-43-8586		No	15.24 (.600)	6.35 (.250)	15.62 (.615)	11.43 (.450)
8 Keyed	6	15-43-8004	• 15-43-8504		Yes/RJ45	15.24 (.600)	6.35 (.250)	15.62 (.615)	11.43 (.450)
8	8	15-43-8088	• 15-43-8588	RJ48	No	15.24 (.600)	8.89 (.350)	15.62 (.615)	11.43 (.450)
8 Keyed	8	15-43-8001	• 15-43-8501	RJ14/RJ45	Yes/RJ45	15.24 (.600)	8.89 (.350)	15.62 (.615)	11.43 (.450)

• US Standard Product, available through Molex franchised distributors

FEATURES AND SPECIFICATIONS

Features and Benefits

- 50μ" Gold meets FCC 68 requirements
- Keying options available
- Top-covered leads meet British Telecom 4000V test
- Contacts are duplex plated after stamping, eliminating bare edges in the mating area
- Every jack must pass on-line functional tests, including hi-pot and continuity

Reference Information

Product Specification: PS-41314

Packaging: Film pack or tray

UL File No.: E107635

CSA File No.: LR19980

Mates With: WE Co. and FCC 68 plugs

Designed In: Inches

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

Physical

Housing: Black glass-filled polyester, UL 94V-0

Contact: Phosphor Bronze

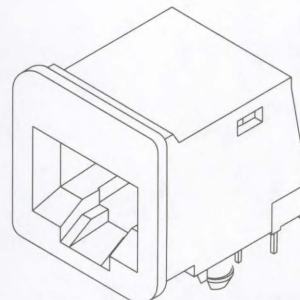
Plating: 1.27μm (50μ") Gold in contact area and 1.27μm (50μ") min. Tin/Lead on solder tails both over Nickel overall

Operating Temperature: -40 to +80°C

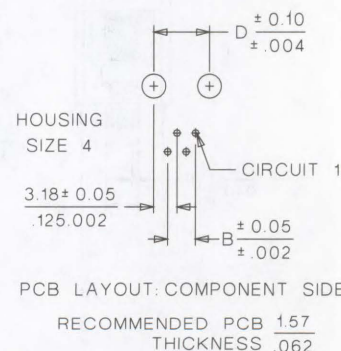
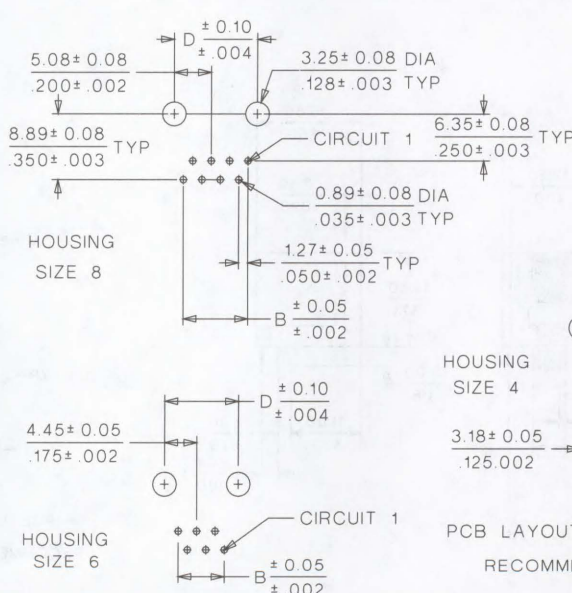
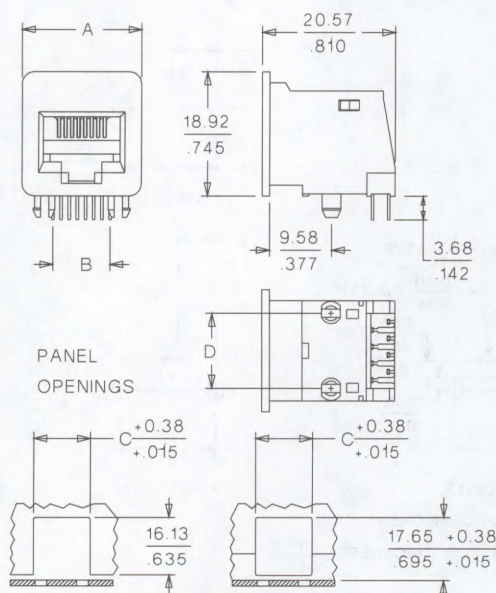
molex® Modular Jack

41314/42776

**Right Angle, Standard Profile
Flange Mount**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.		Universal Service Order Code	Keyed	Dimension			
		Film Pack	Tray Pack			A	B	C	D
4	2	15-43-6042	15-43-6542		No	14.50 (.570)	1.27 (.050)	11.56 (.455)	7.62 (.300)
4	4	15-43-6044	15-43-6544		No	14.50 (.570)	3.81 (.150)	11.56 (.455)	7.62 (.300)
6	2	15-43-6063	15-43-6563	RJ11W/RJ11C	No	16.50 (.650)	1.27 (.050)	13.59 (.535)	10.16 (.400)
6	4	15-43-6064	15-43-6564	RJ16	No	16.50 (.650)	3.81 (.150)	13.59 (.535)	10.16 (.400)
6	6	15-43-6066	15-43-6566	RJ12/RJ18/RJ25	No	16.50 (.650)	6.35 (.250)	13.59 (.535)	10.16 (.400)
8	2	15-43-6090	15-43-6590		No	18.54 (.730)	1.27 (.050)	15.62 (.615)	11.43 (.450)
8 Keyed	2	15-43-6248	15-43-6251		Yes/RJ45	18.54 (.730)	1.27 (.050)	15.62 (.615)	11.43 (.450)
8	4	15-43-6084	15-43-6584		No	18.54 (.730)	3.81 (.150)	15.62 (.615)	11.43 (.450)
8 Keyed	4	15-43-6242	15-43-6245		Yes/RJ45	18.54 (.730)	3.81 (.150)	15.62 (.615)	11.43 (.450)
8	6	15-43-6086	15-43-6586		No	18.54 (.730)	6.35 (.250)	15.62 (.615)	11.43 (.450)
8 Keyed	6	15-43-6236	15-43-6239		Yes/RJ45	18.54 (.730)	6.35 (.250)	15.62 (.615)	11.43 (.450)
8	8	15-43-6088	15-43-6588	RJ48	No	18.54 (.730)	8.89 (.350)	15.62 (.615)	11.43 (.450)
8 Keyed	8	15-43-6230	15-43-6233	RJ14/RJ45	Yes/RJ45	18.54 (.730)	8.89 (.350)	15.62 (.615)	11.43 (.450)

• US Standard Product, available through Molex franchised distributors

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 6 circuits
- With metal peg

Reference Information

Packaging: Tray
Mates With: FCC 68 plugs
UL File No.: E107635
CSA File No.: LR19980
Designed In: Millimeters

Electrical

Current: 1.2A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 1000V AC/1 min.
Insulation Resistance: 1000 MΩ min.

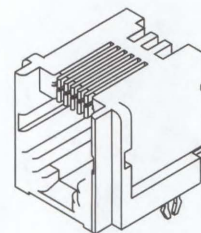
Physical

Housing: Glass-filled polyester, UL 94V-0
Contact: Phosphor Bronze
Plating: See Table
Operating Temperature: -40 to +80°C

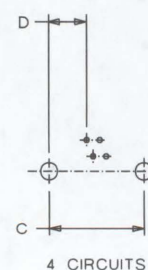
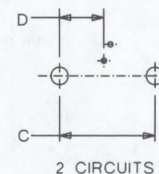
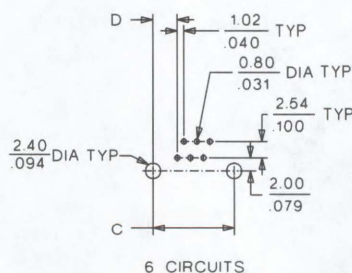
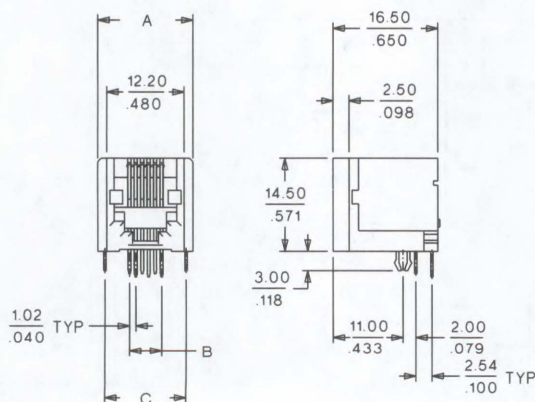
molex® Modular Jack

52830

**Right Angle, Standard Profile
With Metal Peg**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Dimension			
			A	B	C	D
4	2	52830-42X5	13.00 (.512)	1.02 (.040)	10.80 (.425)	4.89 (.193)
4	4	52830-44X5	13.00 (.512)	3.05 (.120)	10.80 (.425)	3.87 (.152)
6	2	52830-62X5	15.00 (.591)	1.02 (.040)	12.80 (.504)	5.89 (.232)
6	4	52830-64X5	15.00 (.591)	3.05 (.120)	12.80 (.504)	4.87 (.192)
6	6	52830-66X5	15.00 (.591)	5.08 (.200)	12.80 (.504)	3.85 (.152)

Replace X with plating no., 1-4

Plating No. 1: 0.1μm Gold with Nickel underplate overall and Tin/Lead in solder area
Plating No. 2: 0.38μm Gold with Nickel underplate overall and Tin/Lead in solder area
Plating No. 3: 0.76μm Gold with Nickel underplate overall and Tin/Lead in solder area
Plating No. 4: 1.27μm Gold with Nickel underplate overall and Tin/Lead in solder area

FEATURES AND SPECIFICATIONS

Features and Benefits

- RJ-45 version meets Category 5 for Fast Ethernet
- Plug latch on top
- Shortened leads with bottom contacts
- Pin and paste solderability
- Shielding meets IEC 950, UL 1863 and CSA 233
- Enhanced panel grounding tabs on shield
- Continuity

Reference Information

Product Specification: PS-43860-001

Packaging:

Unshielded—Tube

Shielded—Tray

UL File No.: E107635

CSA File No.: LR19980

Mates With: FCC 68 plugs

Designed In: Inches

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

Physical

Housing: Black glass-filled, high-temperature nylon,
UL 94V-0

Contact: Gold per FCC 68.5 specification

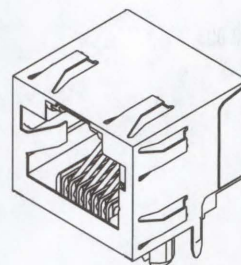
Plating: 1.27μm (50μ") min. Gold in contact area and
1.27μm (50μ") Tin/Lead on solder tails both over
Nickel overall

Operating Temperature: -40 to +80°C

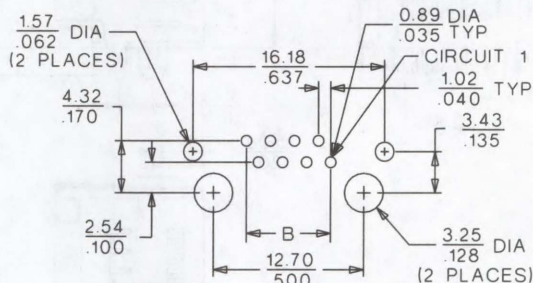
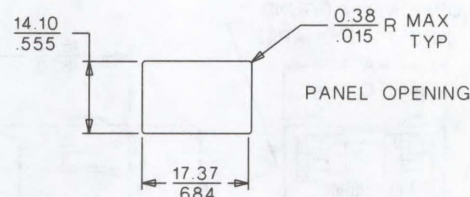
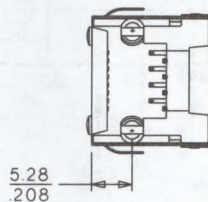
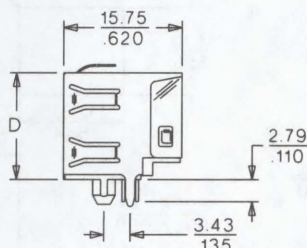
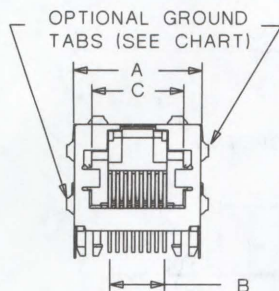
molex® Modular Jack

43860

**Right Angle, Low Profile
Inverted, Shielded and
Unshielded Versions**



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT : COMPONENT SIDE
RECOMMENDED PCB THICKNESS : 1.57
.062

ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.		Dimension			
		Unshielded	Shielded		A	B	C
			With All Panel Grounding Tabs	With Offset Panel Grounding Tabs			
6	2	43860-0020			15.75 (.620)	1.02 (.040)	9.88 (.389)
6	4	43860-0003			15.75 (.620)	3.05 (.120)	9.88 (.389)
6	4		43860-0015		16.38 (.645)	3.05 (.120)	9.88 (.389)
6	4			43860-0006	16.38 (.645)	3.05 (.120)	9.88 (.389)
6	6	43860-0002			15.75 (.620)	5.08 (.200)	9.88 (.389)
6	6		43860-0014		16.38 (.645)	5.08 (.200)	9.88 (.389)
6	6			43860-0005	16.38 (.645)	5.08 (.200)	9.88 (.389)
8	8	43860-0001			15.75 (.620)	7.11 (.280)	11.91 (.469)
8	8		43860-0013		16.38 (.645)	7.11 (.280)	11.91 (.469)
8	8			43860-0004	16.38 (.645)	7.11 (.280)	11.91 (.469)

FEATURES AND SPECIFICATIONS

Features and Benefits

- RJ-45 version meets Category 5 for Fast Ethernet
- Plug latch on top
- Shortened leads with bottom contacts
- Industry compatible
- Lower electrical noise than LED offerings
- 34% fewer leads than LED offerings
- Enhanced grounding tabs on shield

Reference Information

Product Specification: PS-43860-003

Packaging: Unshielded—Tube

Shielded—Tray

UL File No.: E107635

CSA File No.: LR19980

Designed in: Inches

Electrical

Electrical Voltage: 125V

Current: 1.5A max.

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles

Physical

Housing: Black glass-filled, high-temperature nylon, UL 94V-0

Plating: Contact Area—1.27μm (50μ") min. Gold

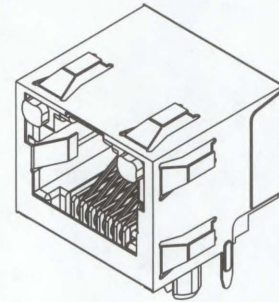
Solder Tails—1.27μm (50μ") Tin/Lead on both contact area and solder tails over Nickel overall

Operating Temperature: -40 to +80°C

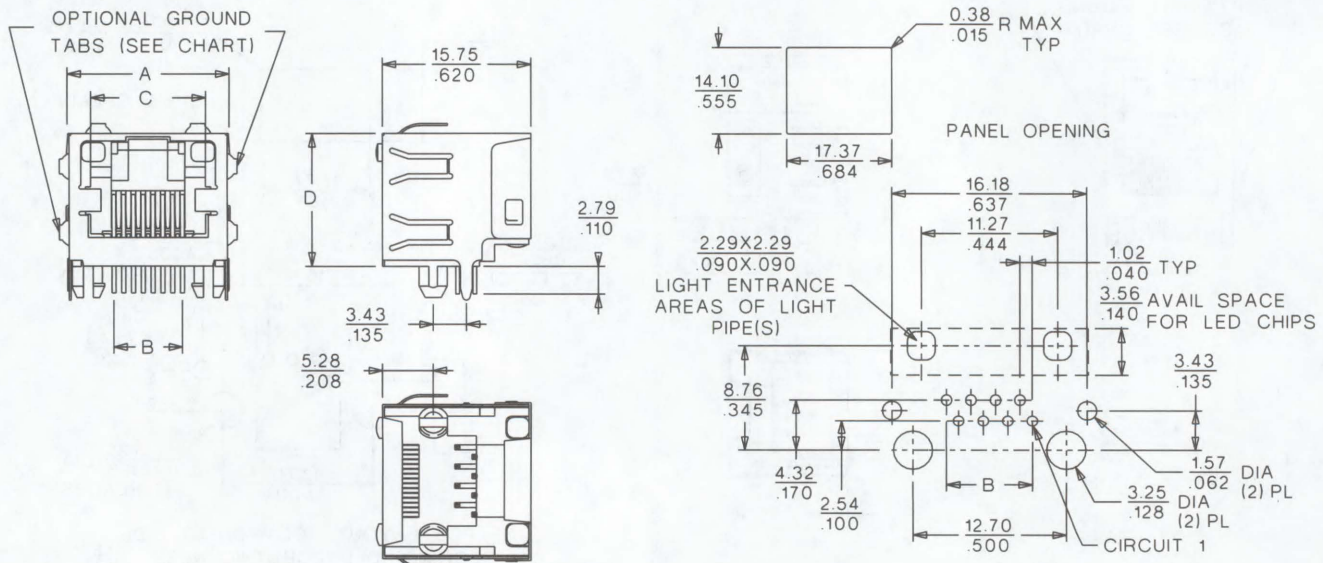
molex® Modular Jack

43860

**Right Angle, Low Profile
Inverted Shielded and
Unshielded Versions with
Lightpipes**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.		Dimension			
		Unshielded	Shielded		A	B	C
			With All Panel Grounding Tabs	With Offset Panel Grounding Tabs			
6	4	43860-0009			15.75 (.620)	3.05 (.120)	9.88 (.389)
6	4		43860-0012		16.38 (.645)	3.05 (.120)	9.88 (.389)
6	4			43860-0018	16.38 (.645)	3.05 (.120)	9.88 (.389)
6	6	43860-0008			15.75 (.620)	5.08 (.200)	9.88 (.389)
6	6		43860-0011		16.38 (.645)	5.08 (.200)	9.88 (.389)
6	6			43860-0017	16.38 (.645)	5.08 (.200)	9.88 (.389)
8	8	43860-0007			15.75 (.620)	7.11 (.280)	11.91 (.469)
8	8		43860-0010		16.38 (.645)	7.11 (.280)	11.91 (.469)
8	8			43860-0016	16.38 (.645)	7.11 (.280)	11.91 (.469)

FEATURES AND SPECIFICATIONS

Features and Benefits

- RJ-45 version meets Category 5 for Fast Ethernet
- Plug latch on top
- Housing and lightpipes molded in high-temperature materials
- Eliminates costly secondary processes
- Lower electrical noise than LED offerings
- 34% fewer leads than LED offerings
- Enhanced grounding tabs on shield
- Surface Mount Compatible

Reference Information

Product Specification: PS-43860-003

Packaging: Tray

UL File No.: E107635

CSA File No.: LR19980

Designed in: Inches

Electrical

Electrical Voltage: 125V

Current: 1.5A max.

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles

Physical

Housing: Black glass-filled, high-temperature nylon, UL 94V-0

Plating: Contact Area—1.27μm (50μ") min. Gold

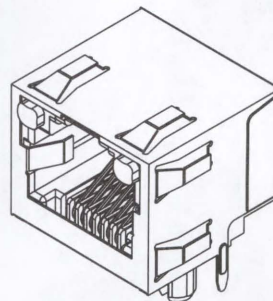
Solder Tails—1.27μm (50μ") Tin/Lead on both contact area and solder tails over Nickel overall

Operating Temperature: -40 to +80°C

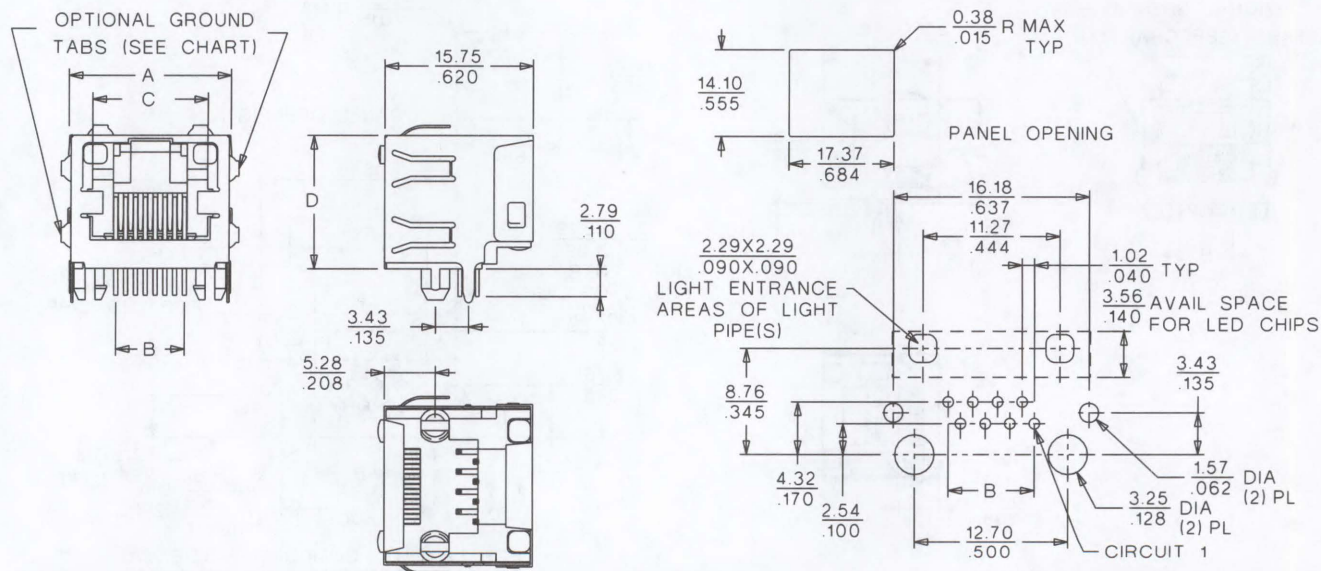
molex® Modular Jack

43860

**Right Angle, Low Profile
Inverted Shielded Version
With High Temperature
Lightpipes**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.		Dimension			
		With All Panel Grounding Tabs	With Offset Panel Grounding Tabs	A	B	C	D
6	4	43860-1012		16.38 (.645)	3.05 (.120)	9.88 (.389)	13.53 (.533)
6	4		43860-1018	16.38 (.645)	3.05 (.120)	9.88 (.389)	13.53 (.533)
6	6	43860-1011		16.38 (.645)	5.08 (.200)	9.88 (.389)	13.53 (.533)
6	6		43860-1017	16.38 (.645)	5.08 (.200)	9.88 (.389)	13.53 (.533)
8	8	43860-1010		16.38 (.645)	7.11 (.280)	11.91 (.469)	13.53 (.533)
8	8		43860-1016	16.38 (.645)	7.11 (.280)	11.91 (.469)	13.53 (.533)

FEATURES AND SPECIFICATIONS

Features and Benefits

- RJ-45 version meets Category 5 for Fast Ethernet
- Meets 1.00mm (.039") max. PCB requirements
- Plug latch on top
- Shortened leads with bottom contacts
- Lower electrical noise than LED offerings
- 34% fewer leads than LED offerings
- Surface Mount Compatible

Reference Information

Product Specification: PS-44380-0003
 Packaging: Unshielded—Tube
 Shielded—Tray
 UL File No.: E107635
 CSA File No.: LR19980
 Mates With: FCC 68 Plugs
 Designed In: Inches

Electrical

Voltage: 125V
 Current: 1.5A max.
 Contact Resistance: 10mΩ max.
 Dielectric Withstanding Voltage: 1000V AC
 Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 Cycles

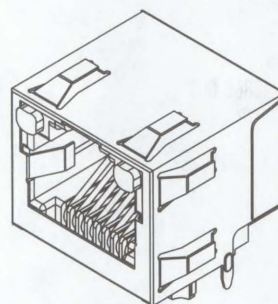
Physical

Housing: Black glass-filled high temperature Nylon, UL 94V-0
 Plating: Contact Area—1.27μm (50μ") min. Gold
 Solder Tails—1.27μm (50μ") Tin/Lead on both contact
 area and solder tails
 Underplating—Nickel
 Operating Temperature: -40 to +80°C

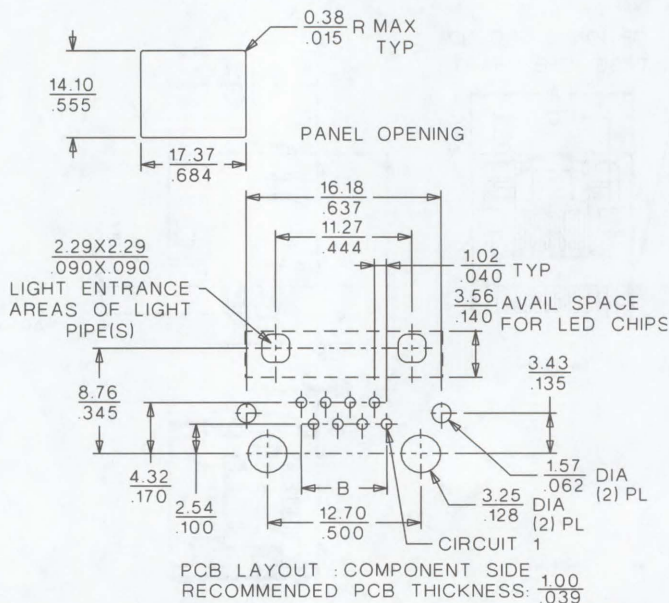
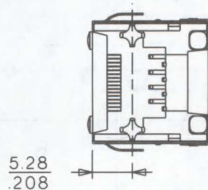
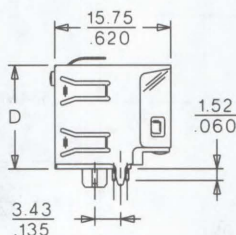
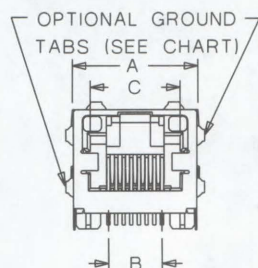
molex® Modular Jack

44380

**Right Angle,
 Low Profile Inverted
 Mini-PCI Compliant**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Lightpipes	Order No.		Dimension			
			Unshielded	Shielded		A	B	C
				With All Panel Grounding Tabs	With Offset Panel Grounding Tabs			
6	4		44380-0003			15.75 (.620)	3.07 (.120)	9.88 (.389)
6	4			44380-0006		16.38 (.645)	3.07 (.120)	9.88 (.389)
6	4				44380-0015	16.38 (.645)	3.07 (.120)	9.88 (.389)
8	8	Yes		44380-1010		16.38 (.645)	7.11 (.280)	11.91 (.469)
8	8	Yes			44380-1016	16.38 (.645)	7.11 (.280)	11.91 (.469)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Prevents mismatching of RJ-11 plugs into RJ-45 jack
- Meets Category 5 for Fast Ethernet
- Plug latch on top
- Shield with enhanced panel grounding tabs
- 100% tested for hi-pot and continuity
- Shortened leads with bottom contacts

Reference Information

Product Specification: PS-43860-0003
 Packaging: Unshielded—Tube
 Shielded—Tray
 UL File No.: E107635
 CSA File No.: LR19980
 Mates with: FCC 68 Plugs
 Designed in: Inches

Electrical

Voltage: 125V
 Current: 1.5A max.
 Contact Resistance: 10mΩ max.
 Dielectric Withstanding Voltage: 1000V AC
 Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles

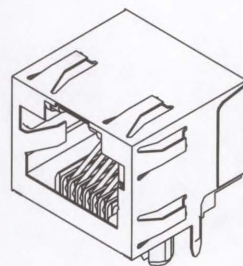
Physical

Housing: Black glass-filled, high-temperature nylon, UL 94V-0
 Plating: Contact Area—1.27μm (50μ") min. Gold
 Solder Tail Area—1.27μm (50μ") Tin/Lead
 Underplating—Nickel
 Operating Temperature: -40 to +80°C

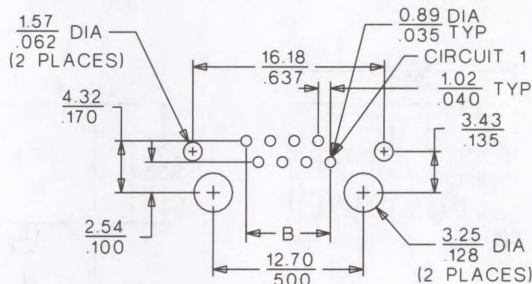
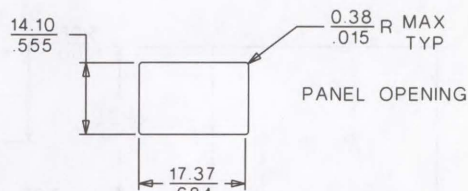
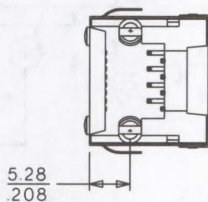
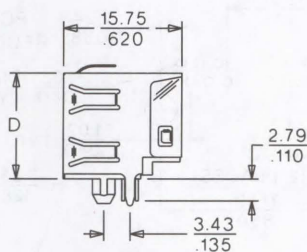
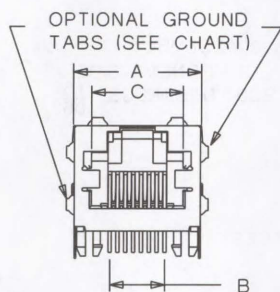


44620

Right Angle RJ-45 Low Profile Inverted Shielded And Unshielded Versions With RJ-11 Keepout Feature



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT : COMPONENT SIDE
 RECOMMENDED PCB THICKNESS : 1.57 (.062)

ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order Number		Dimension			
		Unshielded	Shielded		A	B	C
			With All Panel Grounding Tabs	With Offset Panel Grounding Tabs			
8	8	44620-0001			15.75 (.620)	7.11 (.280)	11.91 (.469)
			44620-0002		16.38 (.645)	7.11 (.280)	11.91 (.469)
				44620-0003	16.38 (.645)	7.11 (.280)	11.91 (.469)

Note: Contact Molex for 30μ" select Gold plating or for alternative rear and center grounding tab option order numbers

FEATURES AND SPECIFICATIONS

Features and Benefits

- Plug latch on top
- Shortened leads with bottom contacts
- Pin and paste solderability
- Continuity
- Packaged in tubes
- Side-by-side stackable

Reference Information

Product Specification: PS-43860-003

Packaging: Tube

UL File No.: E107635

CSA File No.: LR19980

Mates With: FCC 68 plugs

Designed In: Inches

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

Physical

Housing: Black glass-filled, high-temperature nylon,
UL 94V-0

Contact: Gold per FCC 68.5 specification

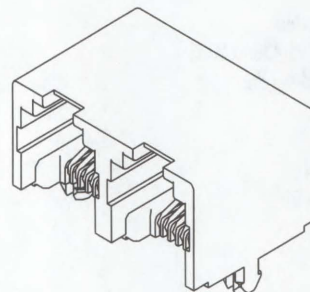
Plating: 1.27μm (50μ") min. Gold in contact area and
1.27μm (50μ") Tin/Lead on solder tails both over
Nickel overall

Operating Temperature: -40 to +80°C

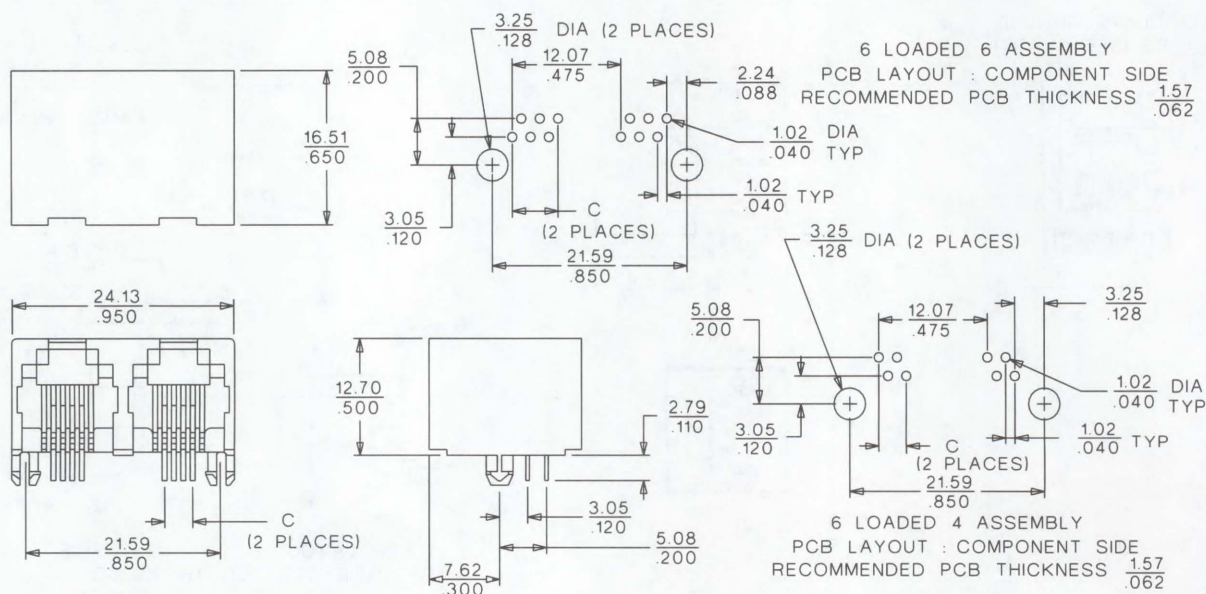
molex® Modular Jack

43814

**Right Angle, Low Profile
Inverted, Dual Port**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Dimension C
6	4	43814-6421	3.05 (.120)
6	6	43814-6621	5.08 (.200)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Plug latch on top
- Shortened leads with bottom contacts
- Industry compatible
- RJ45 meets category 5 for Fast Ethernet
- Enhanced panel grounding tabs on shield
- Shielding meets IEC 950, UL 1863 and CSA 233

Reference Information

Product Specification: PS-43860-003
 Packaging: Tray
 UL File No.: E107635
 CSA File No.: LR19980
 Designed In: Inches

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 10mΩ max.
 Dielectric Withstanding Voltage: 1000V AC
 Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles

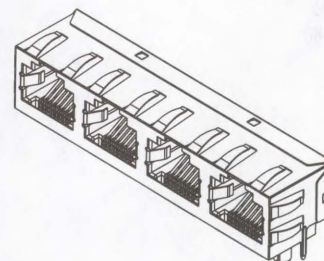
Physical

Housing: Black Polyester, UL 94V-0
 Plating: Contact Area—1.27μm (50μ") min. Gold
 Solder Tail Area—1.27μm (50μ") min. Tin/Lead
 Operating Temperature: -40 to +85°C

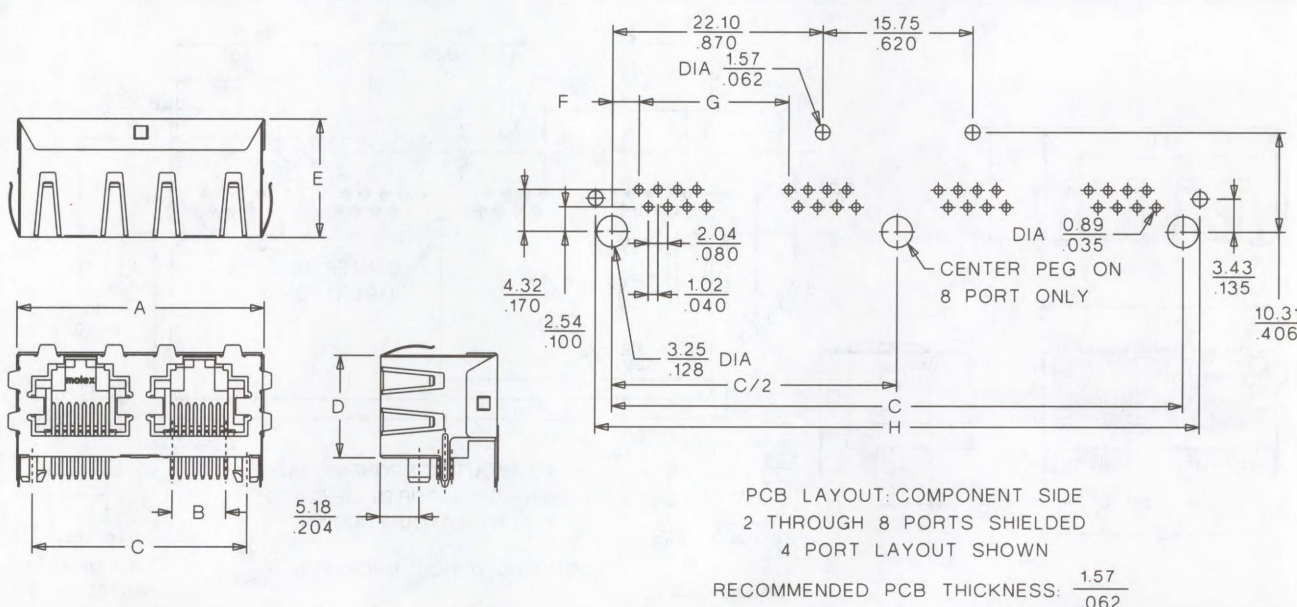
molex® Modular Jack

44248

**Ganged, Right Angle
 Low Profile Inverted
 Shielded and Unshielded
 Versions**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	No. of Ports	Center peg	Order No.				Dimension							
				Unshielded		Shielded		A	B	C	D	E	F	G	H
				Press Fit	Snap Fit	Press Fit	Snap Fit								
6	4	2		44248-0074	44248-0066			31.75 (1.25)	3.03 (.120)	28.45 (1.120)	13.21 (.520)	14.99 (.590)	4.83 (.190)	15.75 (.620)	
	4	2				44248-0102	44248-0094	32.36 (1.27)	3.03 (.120)	28.45 (1.120)	13.45 (.530)	15.47 (.609)	4.83 (.190)	15.75 (.620)	31.95 (1.25)
	6	2		44248-0073	44248-0065			31.75 (1.25)	5.07 (.200)	28.45 (1.120)	13.21 (.520)	14.99 (.590)	3.81 (.150)	15.75 (.620)	
	6	2				44248-0101	44248-0093	32.36 (1.27)	5.07 (.200)	28.45 (1.120)	13.45 (.530)	15.47 (.609)	3.81 (.150)	15.75 (.620)	31.95 (1.25)
8	8	2		44248-0061	44248-0057			31.75 (1.25)	7.11 (.280)	28.45 (1.120)	13.21 (.520)	14.99 (.590)	2.79 (.110)	15.75 (.620)	
	8	2				44248-0089	44248-0085	32.36 (1.27)	7.11 (.280)	28.45 (1.120)	13.45 (.530)	15.47 (.609)	2.79 (.110)	15.75 (.620)	31.95 (1.25)
	8	4		44248-0062	44248-0058			63.25 (2.49)	7.11 (.280)	59.94 (2.360)	13.21 (.520)	14.99 (.590)	2.79 (.110)	15.75 (.620)	
	8	4				44248-0090	44248-0086	63.86 (2.51)	7.11 (.280)	59.94 (2.360)	13.45 (.530)	15.47 (.609)	2.79 (.110)	15.75 (.620)	63.44 (2.49)
	8	6		44248-0063	44248-0059			94.74 (3.73)	7.11 (.280)	91.44 (3.600)	13.21 (.520)	14.99 (.590)	2.79 (.110)	15.75 (.620)	
	8	6				44248-0091	44248-0087	95.35 (3.75)	7.11 (.280)	91.44 (3.600)	13.45 (.530)	15.47 (.609)	2.79 (.110)	15.75 (.620)	94.94 (3.73)
	8	8		44248-0114	44248-0113			126.24 (4.97)	7.11 (.280)	122.94 (4.840)	13.21 (.520)	14.99 (.590)	2.79 (.110)	15.75 (.620)	
	8	8				44248-0116	44248-0115	126.85 (4.99)	7.11 (.280)	122.94 (4.840)	13.45 (.530)	15.47 (.609)	2.79 (.110)	15.75 (.620)	126.44 (4.97)
	8	8	Yes	44248-0064	44248-0060			126.24 (4.97)	7.11 (.280)	122.94 (4.840)	13.21 (.520)	14.99 (.590)	2.79 (.110)	15.75 (.620)	
	8	8	Yes			44248-0092	44248-0088	126.85 (4.99)	7.11 (.280)	122.94 (4.840)	13.45 (.530)	15.47 (.609)	2.79 (.110)	15.75 (.620)	126.44 (4.97)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Plug latch on top
- RJ45 meets category 5 for Fast Ethernet
- Industry compatible
- Lower electrical noise than LED offerings
- 34% fewer leads than LED offerings
- Enhanced panel grounding tabs on shield

Reference Information

Product Specification: PS-43860-003

Packaging: Tray

UL File No.: E107635

CSA File No.: LR19980

Designed In: Inches

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles

Physical

Housing: Black Polyester, UL 94V-0

Plating: Contact Area—1.27μm (50μ") min. Gold

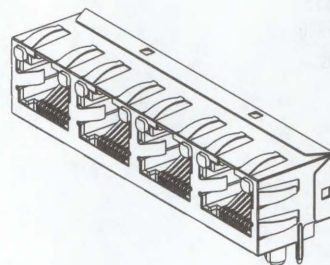
Solder Tail Area—1.27μm (50μ") min. Tin/Lead

Operating Temperature: -40 to +85°C

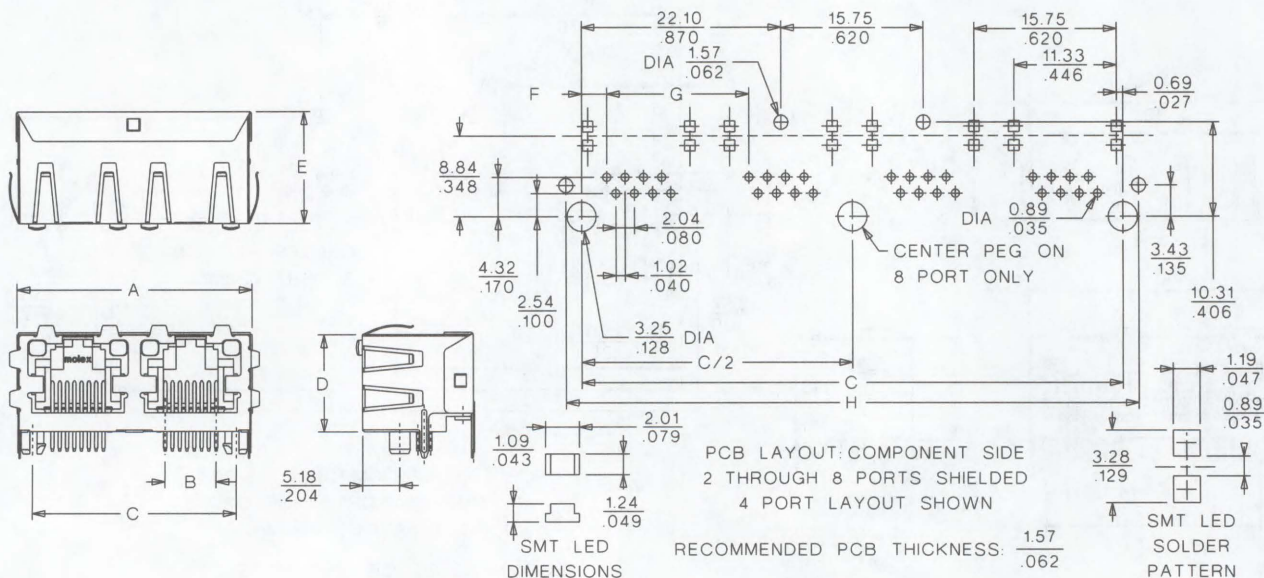
molex® Modular Jack

44248

**Ganged, Right Angle
Low Profile Inverted
Shielded and Unshielded
Versions with Lightpipes**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	No. of Ports	Center peg	Order No.				Dimension							
				Unshielded		Shielded		A	B	C	D	E	F	G	H
				Press Fit	Snap Fit	Press Fit	Snap Fit								
6	4	2		44248-0018	44248-0010			31.75 (1.25)	3.03 (.120)	28.45 (1.120)	13.21 (.520)	14.99 (.590)	4.83 (.190)	15.75 (.620)	
	4	2				44248-0046	44248-0038	32.36 (1.27)	3.03 (.120)	28.45 (1.120)	13.45 (.530)	15.47 (.609)	4.83 (.190)	15.75 (.620)	31.95 (1.25)
	6	2		44248-0017	44248-0009			31.75 (1.25)	5.07 (.200)	28.45 (1.120)	13.21 (.520)	14.99 (.590)	3.81 (.150)	15.75 (.620)	
	6	2				44248-0045	44248-0037	32.36 (1.27)	5.07 (.200)	28.45 (1.120)	13.45 (.530)	15.47 (.609)	3.81 (.150)	15.75 (.620)	31.95 (1.25)
8	8	2		44248-0005	44248-0001			31.75 (1.25)	7.11 (.280)	28.45 (1.120)	13.21 (.520)	14.99 (.590)	2.79 (.110)	15.75 (.620)	
	8	2				44248-0033	44248-0029	32.36 (1.27)	7.11 (.280)	28.45 (1.120)	13.45 (.530)	15.47 (.609)	2.79 (.110)	15.75 (.620)	31.95 (1.25)
	8	4		44248-0006	44248-0002			63.25 (2.49)	7.11 (.280)	59.94 (2.360)	13.21 (.520)	14.99 (.590)	2.79 (.110)	15.75 (.620)	
	8	4				44248-0034	44248-0030	63.86 (2.51)	7.11 (.280)	59.94 (2.360)	13.45 (.530)	15.47 (.609)	2.79 (.110)	15.75 (.620)	63.44 (2.49)
	8	6		44248-0007	44248-0003			94.74 (3.73)	7.11 (.280)	91.44 (3.600)	13.21 (.520)	14.99 (.590)	2.79 (.110)	15.75 (.620)	
	8	6				44248-0035	44248-0031	95.35 (3.75)	7.11 (.280)	91.44 (3.600)	13.45 (.530)	15.47 (.609)	2.79 (.110)	15.75 (.620)	94.94 (3.73)
	8	8		44248-0110	44248-0109			126.24 (4.97)	7.11 (.280)	122.94 (4.840)	13.21 (.520)	14.99 (.590)	2.79 (.110)	15.75 (.620)	
	8	8				44248-0112	44248-0111	126.85 (4.99)	7.11 (.280)	122.94 (4.840)	13.45 (.530)	15.47 (.609)	2.79 (.110)	15.75 (.620)	126.44 (4.97)
	8	8	Yes	44248-0008	44248-0004			126.24 (4.97)	7.11 (.280)	122.94 (4.840)	13.21 (.520)	14.99 (.590)	2.79 (.110)	15.75 (.620)	
	8	8	Yes			44248-0036	44248-0032	126.85 (4.99)	7.11 (.280)	122.94 (4.840)	13.45 (.530)	15.47 (.609)	2.79 (.110)	15.75 (.620)	126.44 (4.97)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Plug latch on top
- RJ-45 meets Category 5 for Fast Ethernet
- Press-fit or snap-fit pegs
- Flexibility of any RJ-45/RJ-11 configuration
- Shortened leads with bottom contacts
- Enhanced panel grounding tabs on shield

Reference Information

Product Specification: PS-43860-003
 Packaging: Tray
 UL File No.: E107635
 CSA File No.: LR19980
 Use with: FCC 68 Plugs
 Designed In: Inches

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 10mΩ max.
 Dielectric Withstanding Voltage: 1000V AC
 Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles

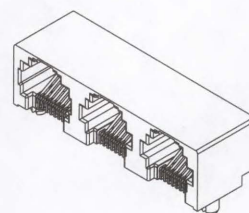
Physical

Housing: Black Polyester, UL 94V-0
 Plating: Contact Area—1.27μm (50μ") min. Gold
 Solder Tail Area—1.27μm (50μ") min. Tin/Lead
 Operating Temperature: -40 to +85°C

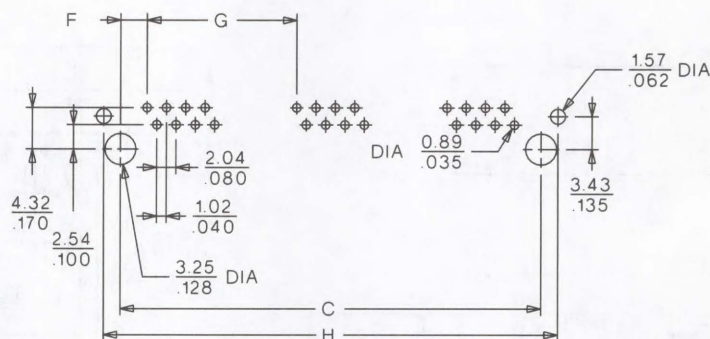
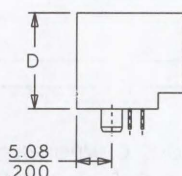
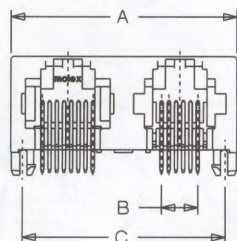
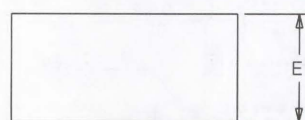
molex® Modular Jack

44580

Ganged, Right Angle Low Profile Inverted RJ-45/RJ-11 Combination Shielded and Unshielded Versions



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE
 2 AND 3 PORTS SHIELDED
 3 PORT LAYOUT SHOWN

RECOMMENDED PCB THICKNESS: $\frac{1.57}{.062}$

ORDERING INFORMATION AND DIMENSIONS

Circuits/ Circuits Loaded			No. of Ports	Order No.		Dimension									
				Shielded		A	B			C	D	E	F	G	
Port No. 1	Port No. 2	Port No. 3		Press Fit	Snap Fit		Port No. 1	Port No. 2	Port No. 3					Port No. 1 to No. 2	
8/8	6/6		2	44580-0012	44580-0010	32.36 (1.27)	7.11 (.280)	5.08 (.200)		28.45 (1.120)	13.45 (.530)	15.47 (.609)	2.79 (.110)	16.77 (.660)	31.95 (1.25)
8/8	6/4		2	44580-0016	44580-0014	32.36 (1.27)	7.11 (.280)	3.03 (.120)		28.45 (1.120)	13.45 (.530)	15.47 (.609)	2.79 (.110)	17.78 (.700)	31.95 (1.25)

Circuits/ Circuits Loaded			No. of Ports	Order No.		Dimension									
				Unshielded		A	B			C	D	E	F	G	
Port No. 1	Port No. 2	Port No. 3		Press Fit	Snap Fit		Port No. 1	Port No. 2	Port No. 3					Port No. 1 to No. 2	Port No. 2 to No. 3
8/8	6/4		2	44580-0008	44580-0006	31.75 (1.25)	7.11 (.280)	3.03 (.120)		28.45 (1.120)	13.21 (.520)	14.99 (.590)	2.79 (.110)	17.78 (.700)	
8/8	6/6		2	44580-0004	44580-0002	31.75 (1.25)	7.11 (.280)	5.08 (.200)		28.45 (1.120)	13.21 (.520)	14.99 (.590)	2.79 (.110)	16.77 (.660)	
8/8	6/4	6/4	3	44580-0024	44580-0022	44.50 (1.870)	7.11 (.280)	3.03 (.120)	3.03 (.120)	44.20 (1.740)	13.21 (.520)	14.99 (.590)	2.79 (.110)	17.78 (.700)	15.75 (.620)
8/8	6/6	6/6	3	44580-0020	44580-0018	44.50 (1.870)	7.11 (.280)	5.08 (.200)	5.08 (.200)	44.20 (1.740)	13.21 (.520)	14.99 (.590)	2.79 (.110)	16.77 (.660)	15.75 (.620)

Contact Molex for alternate configurations

FEATURES AND SPECIFICATIONS

Features and Benefits

- Plug latch on top
- RJ-45 meets Category 5 for Fast Ethernet
- Lightpipes offer lower electrical noise than LEDs
- Flexibility of any RJ-45/RJ-11
- Shortened leads with bottom contacts
- Enhanced panel grounding tabs on shield

Reference Information

Product Specification: PS-43860-003

Packaging: Tray

UL File No.: E107635

CSA File No.: LR19980

Use with: FCC 68 Plugs

Designed In: Inches

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 10mΩ max.

Dielectric Withstanding Voltage: 1000V AC

Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles

Physical

Housing: Black Polyester, UL 94V-0

Plating: Contact Area—1.27μm (50μ") min. Gold

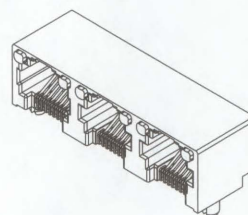
Solder Tail Area—1.27μm (50μ") min. Tin/Lead

Operating Temperature: -40 to +85°C

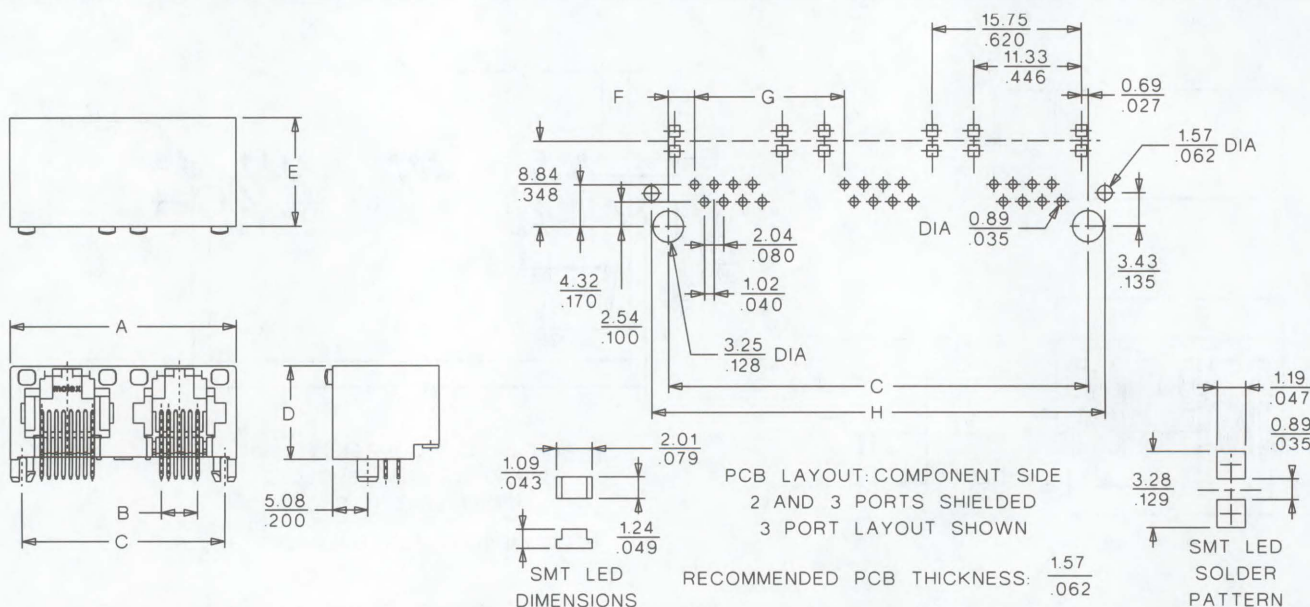
molex® Modular Jack

44580

**Ganged, Right Angle
Low Profile Inverted
RJ-45/RJ-11 Combination
Shielded and Unshielded
Versions with Lightpipes**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits/ Circuits Loaded			No. of Ports	Order No.		Dimension									
				Shielded		A	B			C	D	E	F	G	
Port No. 1	Port No. 2	Port No. 3		Press Fit	Snap Fit		Port No. 1	Port No. 2	Port No. 3					Port No. 1 to No. 2	
8/8	6/4		2	44580-0015	44580-0013	32.36 (1.27)	7.11 (.280)	5.08 (.200)		28.45 (1.120)	13.45 (.530)	15.47 (.609)	2.79 (.110)	16.77 (.660)	31.95 (1.25)
8/8	6/6		2	44580-0011	44580-0009	32.36 (1.27)	7.11 (.280)	3.03 (.120)		28.45 (1.120)	13.45 (.530)	15.47 (.609)	2.79 (.110)	17.78 (.700)	31.95 (1.25)

Circuits/ Circuits Loaded			No. of Ports	Order No.		Dimension									
				Unshielded		A	B			C	D	E	F	G	
Port No. 1	Port No. 2	Port No. 3		Press Fit	Snap Fit		Port No. 1	Port No. 2	Port No. 3					Port No. 1 to No. 2	Port No. 2 to No. 3
8/8	6/4		2	44580-0007	44580-0005	31.75 (1.25)	7.11 (.280)	3.03 (.120)		28.45 (1.120)	13.21 (.520)	14.99 (.590)	2.79 (.110)	17.78 (.700)	
8/8	6/6		2	44580-0003	44580-0001	31.75 (1.25)	7.11 (.280)	5.08 (.200)		28.45 (1.120)	13.21 (.520)	14.99 (.590)	2.79 (.110)	16.77 (.660)	
8/8	6/4	6/4	3	44580-0023	44580-0021	44.50 (1.870)	7.11 (.280)	3.03 (.120)	3.03 (.120)	44.20 (1.740)	13.21 (.520)	14.99 (.590)	2.79 (.110)	17.78 (.700)	15.75 (.620)
8/8	6/6	6/6	3	44580-0019	44580-0017	44.50 (1.870)	7.11 (.280)	5.08 (.200)	5.08 (.200)	44.20 (1.740)	13.21 (.520)	14.99 (.590)	2.79 (.110)	16.77 (.660)	15.75 (.620)

Note: Contact Molex for alternate configurations

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 6 circuits
- Inverted plug latch on top for easy insertion and extraction
- Split snap-fit PCB retention pegs
- Compact design saves PCB real estate

Reference Information

Packaging: Tray
Mates With: FCC 68 plugs
UL File No.: E107635
CSA File No.: LR19980
Designed In: Millimeters

Electrical

Current: 1.2A
Contact Resistance: 20mΩ max.
Dielectric Withstanding Voltage: 1000V AC/1 min.
Insulation Resistance: 1000 MΩ min.

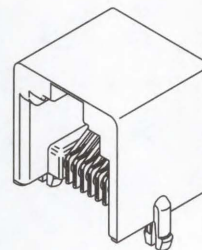
Physical

Housing: Glass-filled polyester, UL 94V-0
Contact: Phosphor Bronze
Plating: Gold 1.27μm min. over Nickel in contact area;
Tin/Lead over Nickel in solder tail area
Operating Temperature: -40 to +80°C

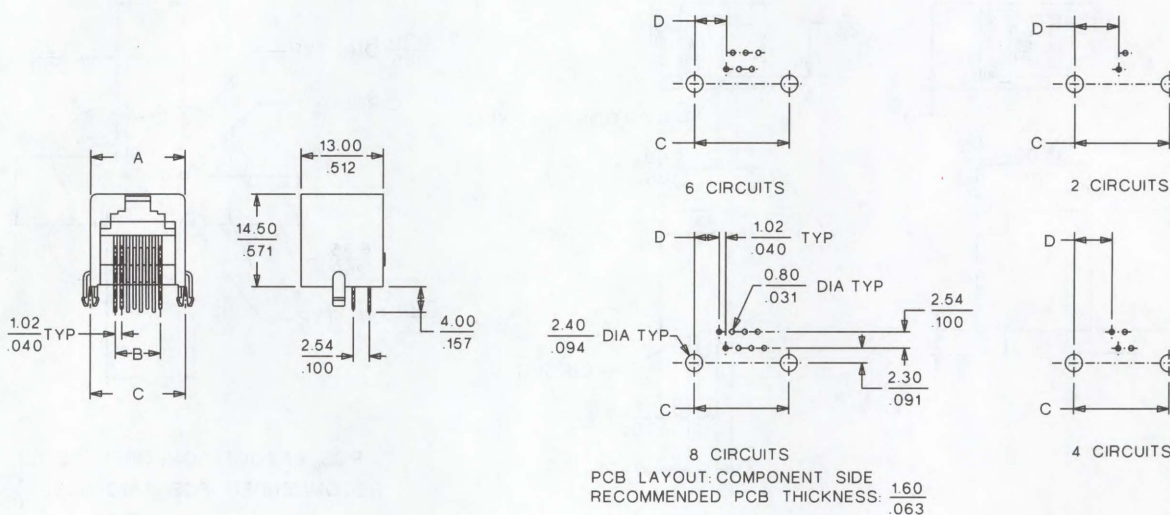
molex® Modular Jack

52018

**Right Angle, Inverted
Standard Profile**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Dimension			
			A	B	C	D
4	2	52018-4245	12.20 (.480)	1.02 (.040)	12.00 (.472)	5.49 (.216)
4	4	52018-4445	12.20 (.480)	3.05 (.120)	12.00 (.472)	4.48 (.176)
6	2	52018-6245	12.20 (.480)	1.02 (.040)	12.00 (.472)	5.49 (.216)
6	4	52018-6445	12.20 (.480)	3.05 (.120)	12.00 (.472)	4.48 (.176)
6	6	52018-6645	12.20 (.480)	5.08 (.200)	12.00 (.472)	3.46 (.136)
8	2	52018-8245	15.00 (.591)	1.02 (.040)	15.00 (.591)	6.99 (.275)
8	4	52018-8445	15.00 (.591)	3.05 (.120)	15.00 (.591)	5.98 (.235)
8	6	52018-8645	15.00 (.591)	5.08 (.200)	15.00 (.591)	4.96 (.195)
8	8	52018-8845	15.00 (.591)	7.11 (.280)	15.00 (.591)	3.94 (.155)

Note: 0.38μm (15μ") and 0.76μm (30μ") Gold plating also available, contact Molex

FEATURES AND SPECIFICATIONS

Features and Benefits

- Performance better than category 5
- Industry compatible
- Automatic placement on PC boards possible
- Foot patterns identical to industry standard jacks
- High reliability, square contact
- Low Profile 12.70mm (0.5")

Reference Information

Product Specification: PS-95003-E

Packaging: Tray

UL File No.: 89082

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Physical

Housing: Black polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold
in contact area, 1.90μm (75μ") min. (90/10)

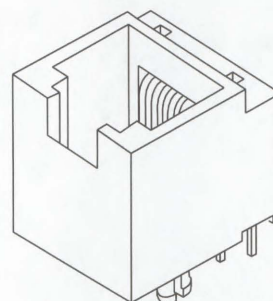
Tin/Lead in tail area both over Nickel overall

Operating Temperature: -40 to +80°C

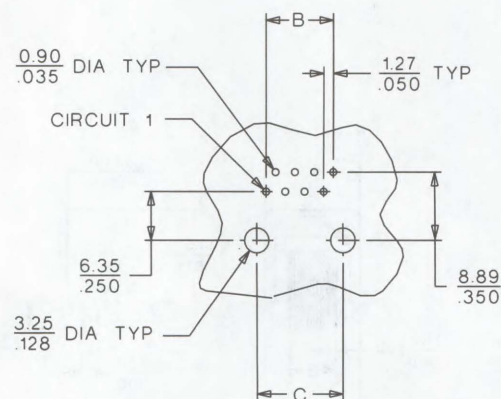
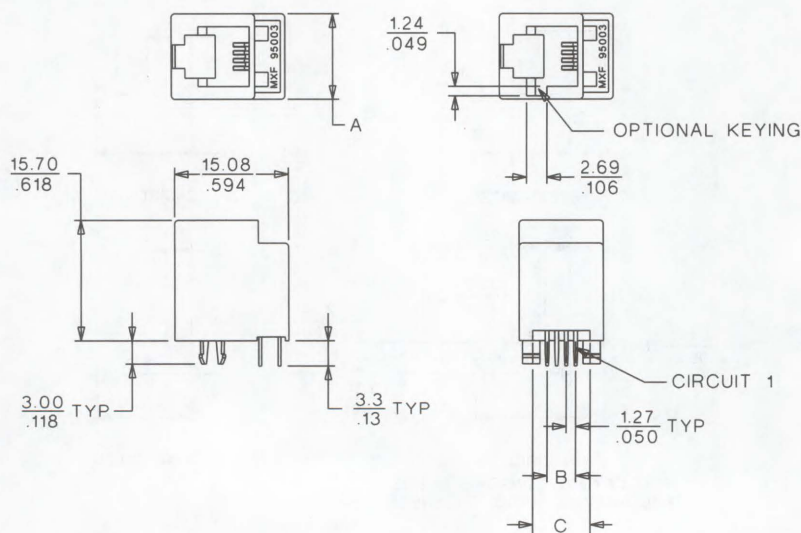


85511

High-Speed, Vertical Standard Profile with Small Panel Cutout



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: 1.57 (.062)

ORDERING INFORMATION

3	Loaded Contacts	Order No.	Dimension			Low Profile
			A	B	C	
8	8	85511-0001	15.24 (.600)	8.89 (.350)	11.43 (.450)	No
8	8	85511-0002	15.24 (.600)	8.89 (.350)	11.43 (.450)	Yes

FEATURES AND SPECIFICATIONS

Features and Benefits

- Performance better than category 5
- Industry compatible
- Automatic placement on PC boards possible
- Foot patterns identical to industry standard jacks
- High reliability, square contact

Reference Information

Product Specification: PS-95003-E
 Packaging: Tray
 UL File No.: 89082
 Mates With: FCC 68 plugs
 Designed In: Millimeters

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 20mΩ max.
 Dielectric Withstanding Voltage: 1000V
 Insulation Resistance: 500 MΩ min.

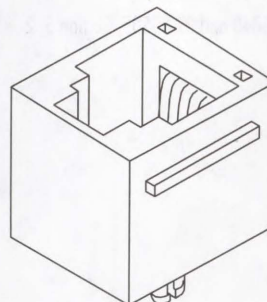
Physical

Housing: Black polyester, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold
 in contact area, 1.90μm (75μ") min. (90/10)
 Tin/Lead in tail area both over Nickel overall
 Operating Temperature: -40 to +80°C

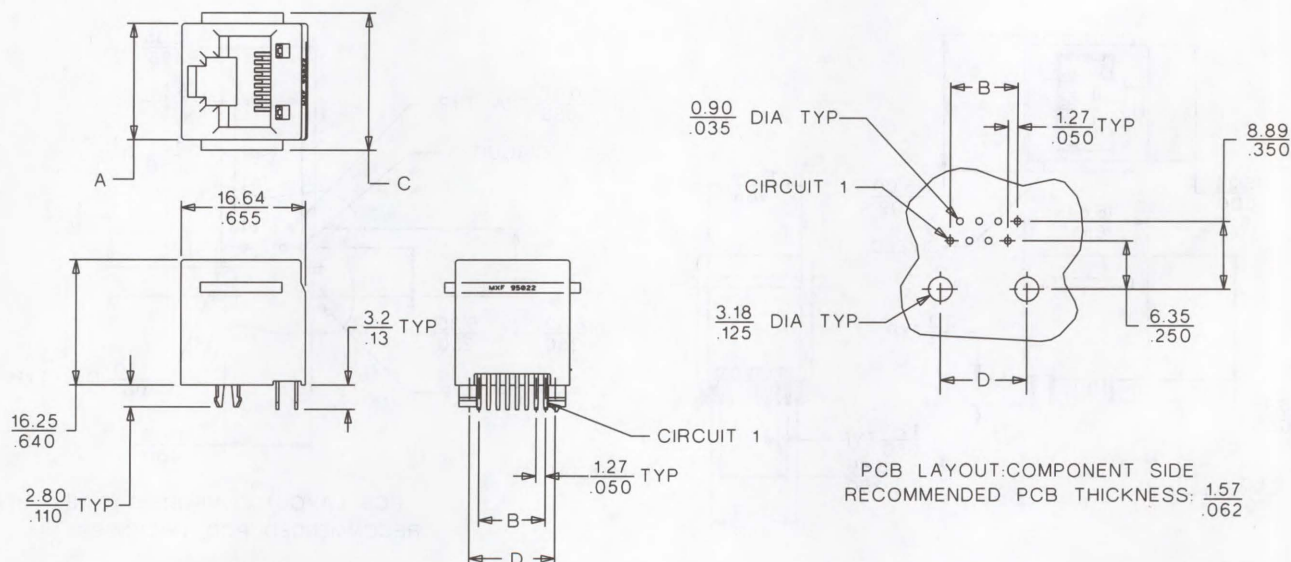
molex® Modular Jack

85506

**High-Speed, Vertical
 Standard Profile**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.	Dimension				Ribs
			A	B	C	D	
8	8	85506-0001	15.24 (.600)	8.89 (.350)	18.00 (.709)	11.43 (.450)	Yes
8	8	85506-0002	15.24 (.600)	8.89 (.350)	15.24 (.600)	11.43 (.450)	No

FEATURES AND SPECIFICATIONS

Features and Benefits

- Performance better than category 5
- Fully shielded connector
- Advanced EMI/RFI protection
- ISDN standard
- Industry standard footprint and height

Reference Information

Product Specification: PS-95040 and PS-85505, Section 5, 2
 Packaging: Tray
 Mates With: FCC 68 plugs
 Designed In: Millimeters

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 20mΩ max.
 Dielectric Withstanding Voltage: 1000V
 Insulation Resistance: 500 MΩ min.
 Shielding Effectiveness: 20 dB min.

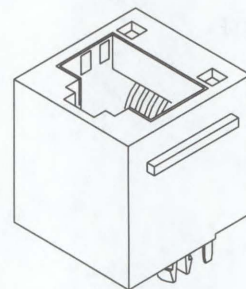
Physical

Housing: Black polyester, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold
 in contact area, 1.90μm (75μ") min. (90/10)
 Tin/Lead in tail area both over Nickel overall
 Operating Temperature: -40 to +80°C

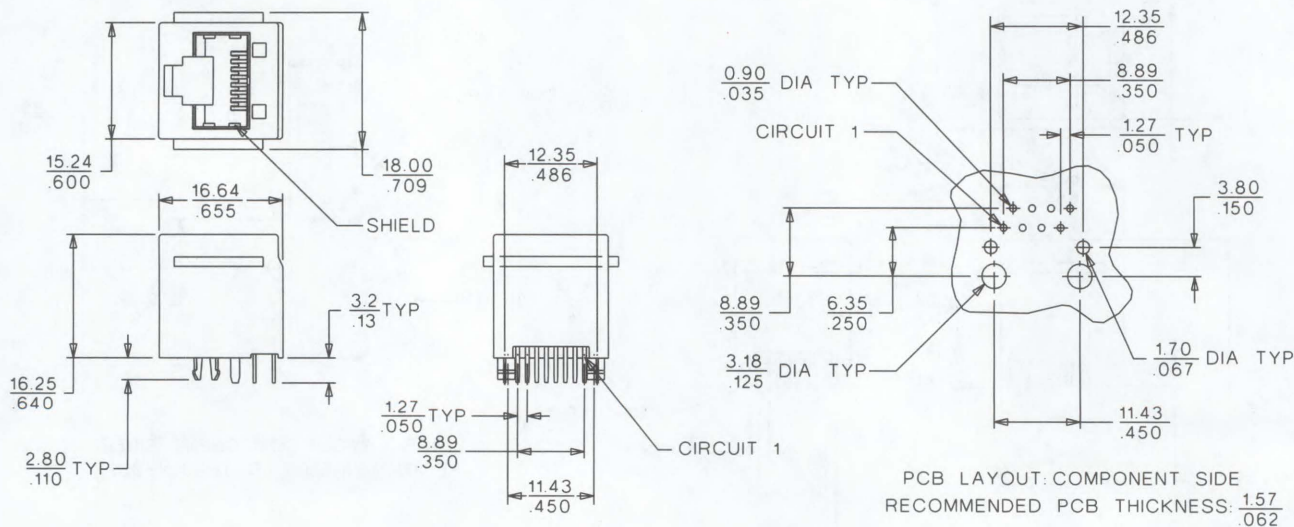
molex® Modular Jack

85507

**High-Speed, Vertical
 Standard Profile, Shielded**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.
8	8	85507-0001

Features and Benefits

- Performance better than category 5
- Fully shielded connector
- Advanced EMI/RFI protection
- ISDN standard
- Industry standard footprint and height

Reference Information

Product Specification: PS-85505

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Shielding Effectiveness: 20 dB min.

Physical

Housing: Black polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: Post plate 1.27 to 1.52 μ m (50 to 60 μ ") Gold

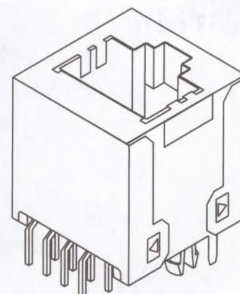
in contact area, 1.90 μ m (75 μ ") min. (90/10)

Tin/Lead in tail area both over Nickel overall

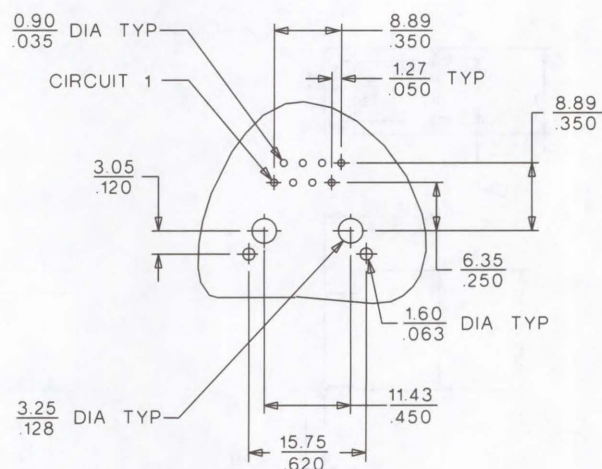
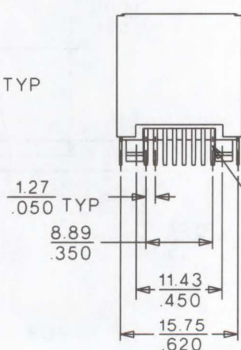
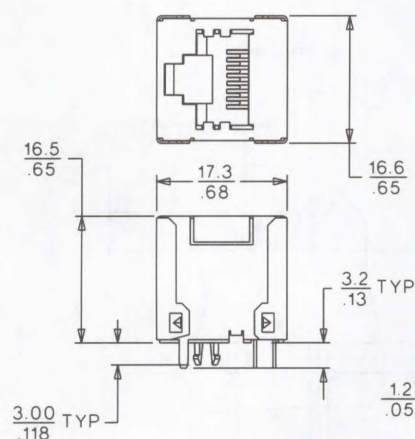
Operating Temperature: -40 to +80°C

85508

High-Speed, Vertical Standard Profile, Shielded



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: C (SEE CHART)

ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.
8	8	85508-0001

FEATURES AND SPECIFICATIONS

Features and Benefits

- Automatic vacuum placement possible
- Foot pattern identical to industry standard
- High reliability, square contact
- 0.10mm coplanarity

Reference Information

Product Specification: PS-95003
 Packaging: Anti-static blister reel, 13" and 22"
 Mates With: FCC 68 plugs
 Designed In: Millimeters

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 20mΩ max.
 Insulation Resistance: 500 MΩ min.

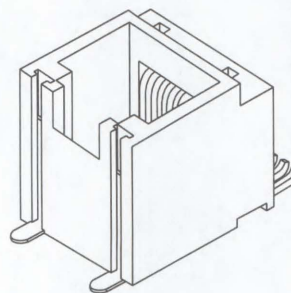
Physical

Housing: Black polyamide, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold
 in contact area, 1.90μm (75μ") min. (90/10)
 Tin/Lead in tail area both over Nickel overall
 Operating Temperature: -40 to +80°C

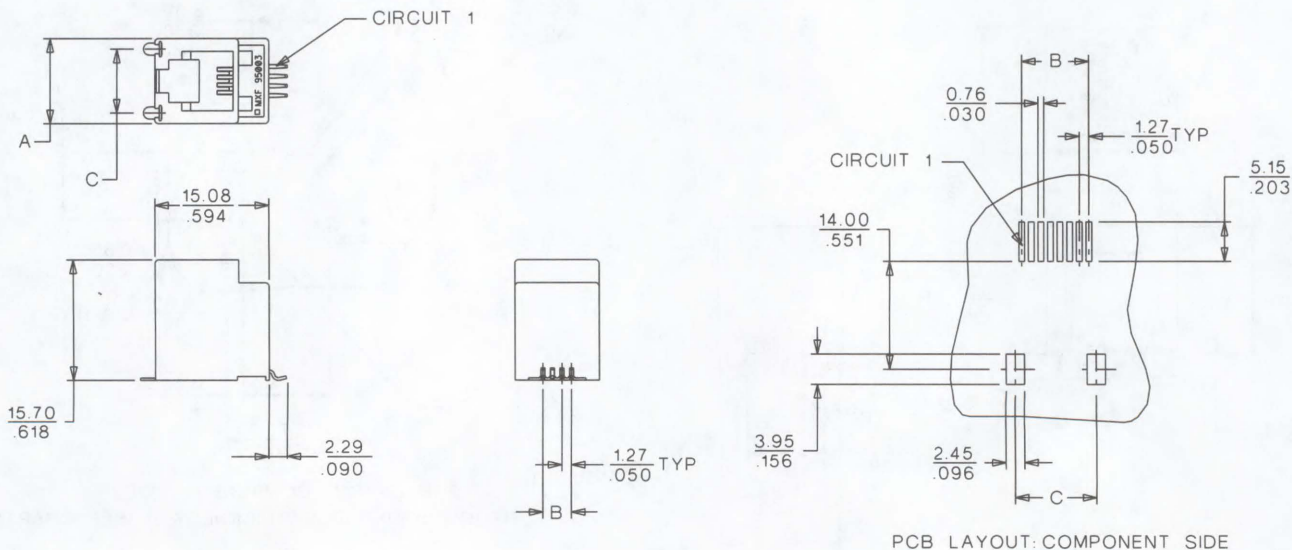


85510

**SMT, Vertical
 Standard Profile with Small
 Panel Cutout**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.		Dimension		
		Blister Reel 22"	Blister Reel 13"	A	B	C
4	4	85510-0025	85510-0017	11.18 (.440)	3.81 (.150)	8.40 (.331)
6	4	85510-0026	85510-0018	13.21 (.520)	3.81 (.150)	9.95 (.392)
6	6	85510-0027	85510-0019	13.21 (.520)	6.35 (.250)	9.95 (.392)
8	8	85510-0028	85510-0020	15.24 (.600)	8.89 (.350)	10.77 (.424)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Industry compatible
- Automatic placement on PC boards possible
- Foot patterns identical to industry standard jacks
- High reliability, square contact
- Low Profile 12.70mm (0.5")

Reference Information

Product Specification: PS-95003-E
 Packaging: Tube
 UL File No.: 89082
 Mates With: FCC 68 plugs
 Designed In: Millimeters

Electrical

Voltage: 125V
 Current: 1.5A
 Contact Resistance: 20mΩ max.
 Dielectric Withstanding Voltage: 1000V
 Insulation Resistance: 500 MΩ min.

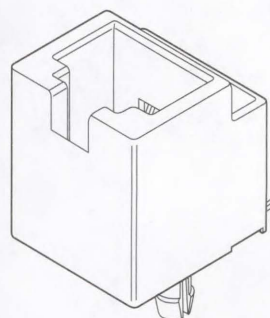
Physical

Housing: Black polyamide, UL 94V-0
 Contact: Phosphor Bronze
 Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold
 in contact area, 1.90μm (75μ") min. (90/10)
 Tin/Lead in tail area both over Nickel overall
 Operating Temperature: -40 to +80°C

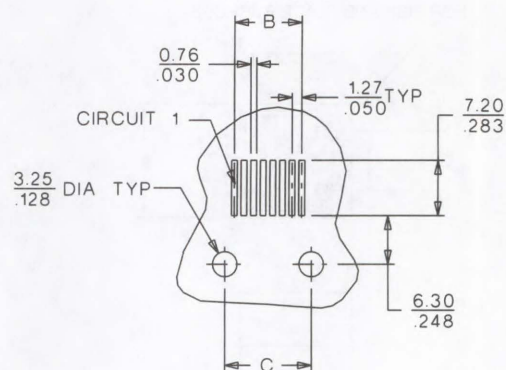
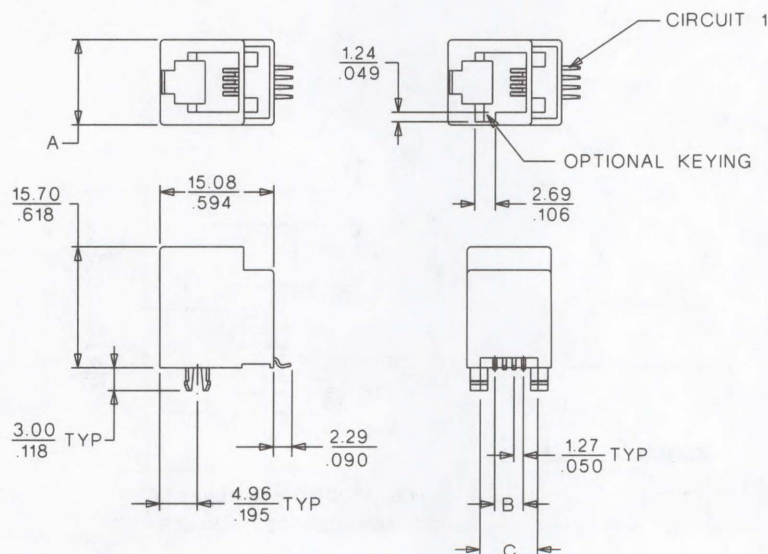
molex® Modular Jack

95003

**SMT, Vertical
 Standard Profile with Small
 Panel Cutout**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Low Profile	Dimension		
				A	B	C
4	4	• 95003-6441	No	11.18 (.440)	3.81 (.150)	7.62 (.300)
6	4	• 95003-6641	No	13.21 (.520)	3.81 (.150)	10.16 (.400)
6	6	• 95003-6661	No	13.21 (.520)	6.35 (.250)	10.16 (.400)
8	8	• 95003-6881	No	15.24 (.600)	8.89 (.350)	11.43 (.450)
8	8	95003-6884	Yes	15.24 (.600)	8.89 (.350)	11.43 (.450)

• US Standard Product, available through Molex franchised distributors

Modular Plugs and Jacks

0

FEATURES AND SPECIFICATIONS

Features and Benefits

- Automatic vacuum placement possible
- Foot pattern identical to industry standard
- High reliability, square contact
- 0.10mm (.004") coplanarity

Reference Information

Product Specification: PS-95003

Packaging: Antistatic blister tape on 13, 15 or 22" reels

Mates With: FCC68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Physical

Housing: Black polyamide, UL 94V-0

Contact: Phosphor Bronze

Plating: Contact Area—Post plate 1.27 to 1.52μm

(50 to 60μ") Gold

Solder Tail Area—1.90μm (75μ") min. Tin/Lead

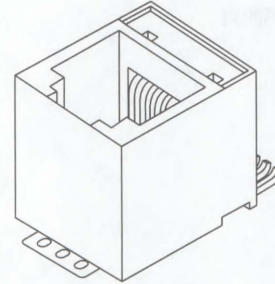
Underplating—Nickel

Operating Temperature: -40 to +80°C

molex® Modular Jack

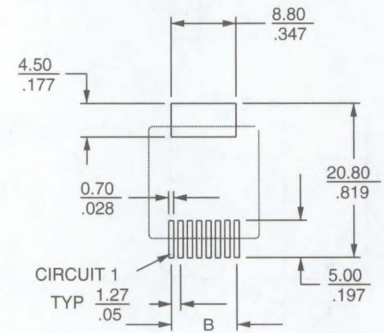
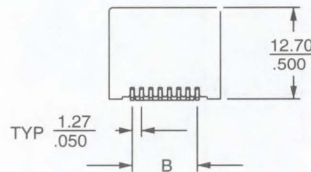
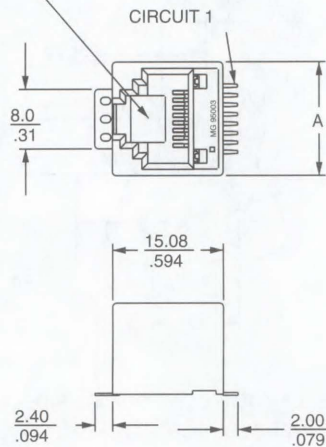
85513

**SMT, Vertical
Low Profile**



CATALOG DRAWING (FOR REFERENCE ONLY)

FLAT SURFACE ON BOTH SIDES
FOR PICK AND PLACE PURPOSE



PCB LAYOUT: COMPONENT SIDE

RECOMMENDED PCB THICKNESS:

1.57
.062

ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.			Dimension	
		13" Reel	15" Reel	22" Reel	A	B
8	8	85513-0013	85513-0001	85513-0009	15.24 (.600)	8.89 (.350)
6	6	85513-0014	85513-0002	85513-0010	13.21 (.520)	6.35 (.250)
6	4	85513-0015	85513-0003	85513-0011	13.21 (.520)	6.35 (.250)
4	4	85513-0016	85513-0004	85513-0012	11.18 (.440)	3.81 (.150)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Meets UL 1086 Section 8 Electrical Probe and UL 1863 Section 20 Childs Finger Test
- No exposed leads to meet British Telecom 4000V test
- Contact tips guided within FCC-specified target zone—Positive alignment prevents shorting
- 100% tested for hi-pot and continuity
- .500" height is industry lowest

Reference Information

Product Specification: PS-42410
Packaging: Tray
UL File No.: E107635
CSA File No.: LR19980
Mates With: WE Co. and FCC 68 plugs
Designed In: Inches

Electrical

Voltage: 125V
Current: 1.5A
Contact Resistance: 10mΩ max.
Dielectric Withstanding Voltage: 1000V AC rms
Insulation Resistance: 500 MΩ min.

Mechanical

Durability: 500 cycles min.

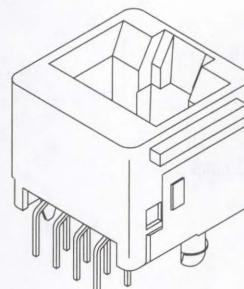
Physical

Housing: Black glass-filled polyester, UL 94V-0
Contact: Phosphor Bronze
Plating: 1.27μm (50μ") min. Gold in contact area and 1.27μm (50μ") Tin/Lead on solder tails both over Nickel overall
Operating Temperature: -40 to +80°C

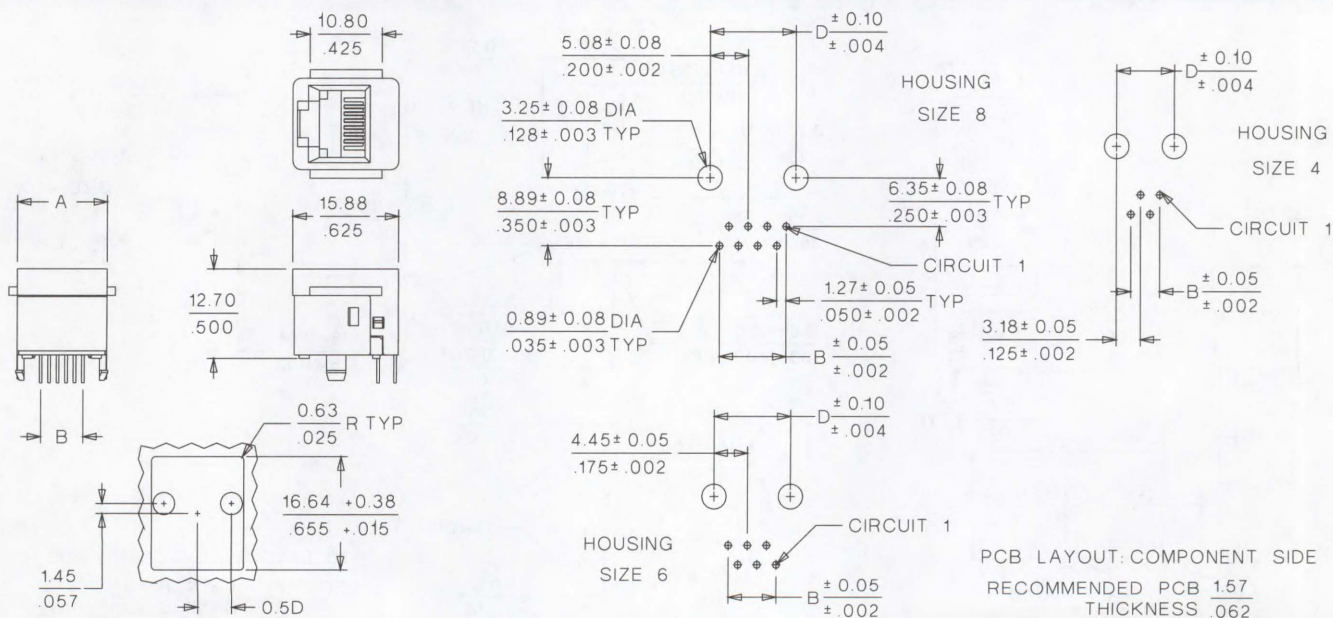
molex® Modular Jack

42878

**Vertical, Low Profile
For .062" and .125" PCB**



CATALOG DRAWING (FOR REFERENCE ONLY)



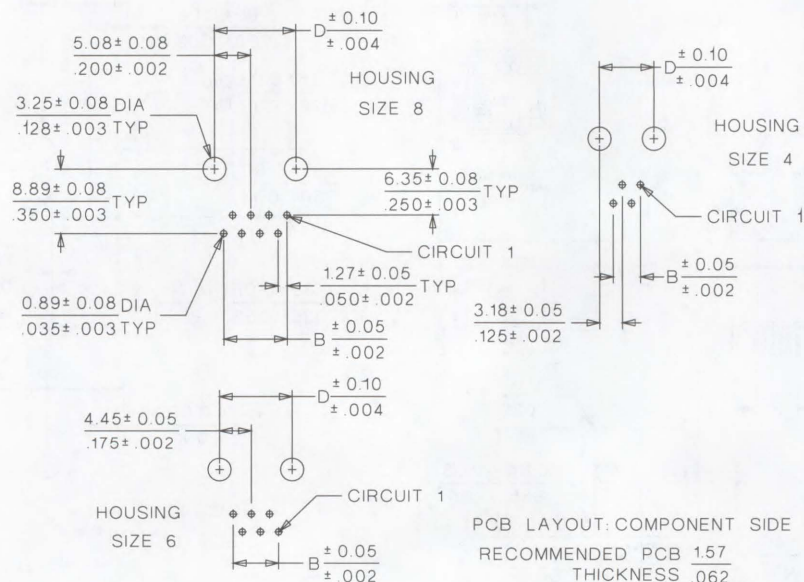
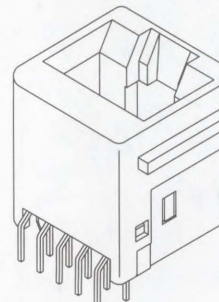
ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.				Dimension		
		.062" PCB		.125" PCB				
		Flush Mount	Flangeless	Flush Mount	Flangeless	A	B	D
4	2	42878-4360	42878-4362	42878-4408	42878-4410	11.43 (.450)	1.27 (.050)	7.62 (.300)
4	4	42878-4216	42878-4218	42878-4264	42878-4266	11.43 (.450)	3.81 (.150)	7.62 (.300)
6	2	42878-6504	42878-6506	42878-6552	42878-6554	13.20 (.520)	1.27 (.050)	10.16 (.400)
6	4	42878-6360	42878-6362	42878-6408	42878-6410	13.20 (.520)	3.81 (.150)	10.16 (.400)
6	6	42878-6216	42878-6218	42878-6264	42878-6266	13.20 (.520)	6.35 (.250)	10.16 (.400)
8	2	42878-9272	42878-9274	42878-9368	42878-9370	15.20 (.600)	1.27 (.050)	11.43 (.450)
8	4	42878-8984	42878-8986	42878-9080	42878-9082	15.20 (.600)	3.81 (.150)	11.43 (.450)
8	6	42878-8696	42878-8698	42878-8792	42878-8794	15.20 (.600)	6.35 (.250)	11.43 (.450)
8	8	42878-8408	42878-8410	42878-8504	42878-8506	15.20 (.600)	8.89 (.350)	11.43 (.450)

Note: Contact Molex for keying order numbers RJ-45 only

Vertical, Standard Profile For .062 and .125" PCB

Housing: Black glass-filled polyester, UL 94V-0
Contact: Phosphor Bronze
Plating: 1.27 μ m (50 μ in.) min. Gold in contact area and
1.27 μ m (50 μ in.) Tin/Lead on solder tails both
over Nickel overall
Operating Temperature: -40 to +80°C



Circuits	Loaded Contacts	Order No.				Dimension		
		.062" PCB		.125" PCB		A	B	D
		Flush Mount	Flangeless	Flush Mount	Flangeless			
6	2	42410-6456	42410-6458	42410-6552	42410-6554	13.46 (.530)	1.27 (.050)	10.16 (.400)
6	4	42410-6312	42410-6314	42410-6408	42410-6410	13.46 (.530)	3.81 (.150)	10.16 (.400)
6	6	42410-6168	42410-6170	42410-6264	42410-6266	13.46 (.530)	6.35 (.250)	10.16 (.400)
8	2	42410-9176	42410-9178	42410-9368	42410-9370	15.49 (.610)	1.27 (.050)	11.43 (.450)
8	4	42410-8888	42410-8890	42410-9080	42410-9082	15.49 (.610)	3.81 (.150)	11.43 (.450)
8	6	42410-8600	42410-8602	42410-8792	42410-8794	15.49 (.610)	6.35 (.250)	11.43 (.450)
8	8	42410-8312	42410-8314	42410-8504	42410-8506	15.49 (.610)	8.89 (.350)	11.43 (.450)

MX01

FEATURES AND SPECIFICATIONS

Features and Benefits

- High reliability, square contact
- Industry standard footprint and height

Reference Information

Product Specification: PS-95003-E

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Physical

Housing: Black polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold in contact area, 1.90μm (75μ") min. (90/10)

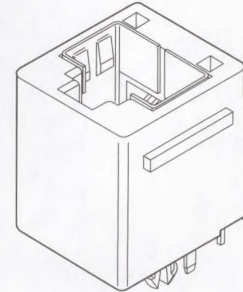
Tin/Lead in tail area both over Nickel overall

Operating Temperature: -40 to +80°C

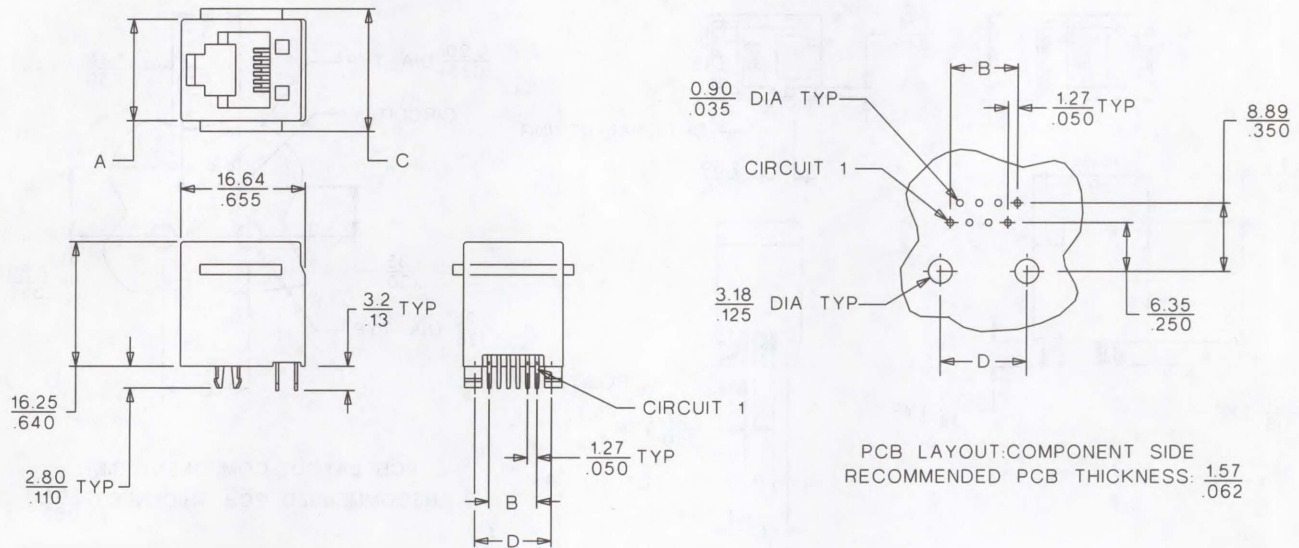
molex® Modular Jack

95022

**Vertical
Standard Profile**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Dimension			
			A	B	C	D
4	4	95022-2447	11.18 (.440)	3.81 (.150)	14.00 (.551)	7.62 (.300)
6	4	95022-2647	13.21 (.520)	3.81 (.150)	16.00 (.630)	10.16 (.400)
6	6	95022-2667	13.21 (.520)	6.35 (.250)	16.00 (.630)	10.16 (.400)
8	8	95022-2887	15.24 (.600)	8.89 (.350)	18.00 (.709)	11.43 (.450)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Industry compatible
- Automatic placement on PC boards possible
- Foot patterns identical to industry standard jacks
- High reliability, square contact
- Low Profile 12.70mm (0.5")

Reference Information

Product Specification: PS-95003-E

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Physical

Housing: Black polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold
in contact area, 1.90μm (75μ") min. (90/10)

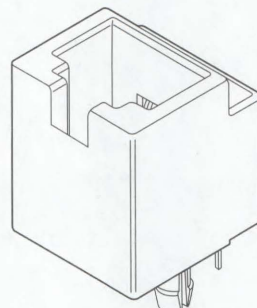
Tin/Lead in tail area both over Nickel overall

Operating Temperature: -40 to +80°C

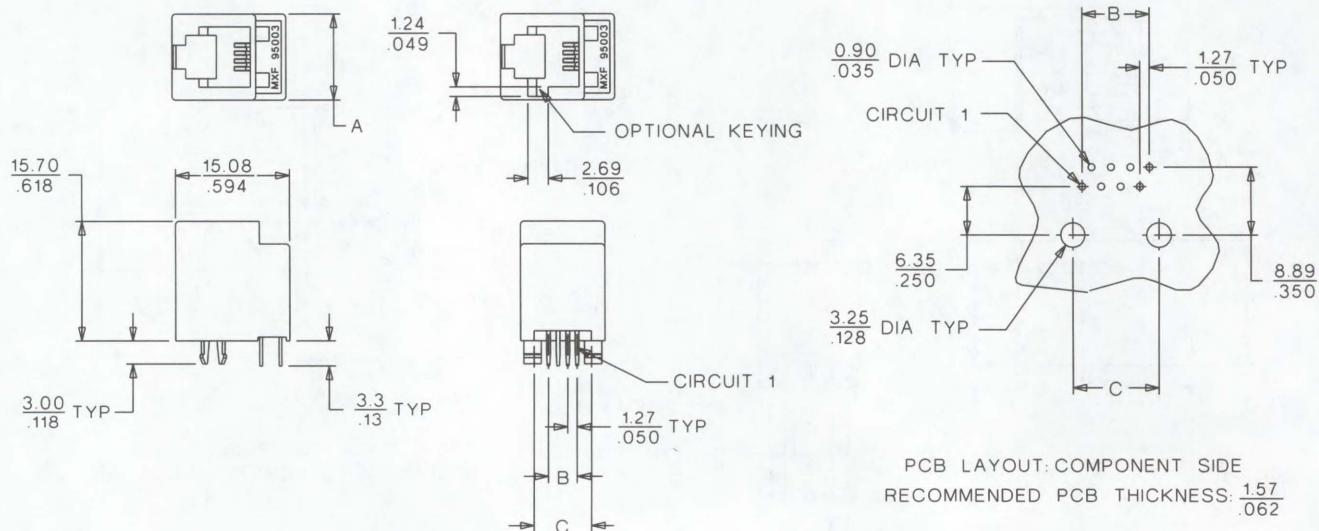
molex® Modular Jack

95003

**Vertical, Standard Profile
With Small Panel Cutout**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Key	Low Profile	Dimension		
					A	B	C
4	4	• 95003-2441	No	No	11.18 (.440)	3.81 (.150)	7.62 (.300)
6	4	• 95003-2641	No	No	13.21 (.520)	3.81 (.150)	10.16 (.400)
6	6	• 95003-2661	No	No	13.21 (.520)	6.35 (.250)	10.16 (.400)
8	8	• 95003-2881	No	No	15.24 (.600)	8.89 (.350)	11.43 (.450)
8	8	• 95003-2882	Yes	No	15.24 (.600)	8.89 (.350)	11.43 (.450)
8	8	• 95003-2886	Yes	Yes	15.24 (.600)	8.89 (.350)	11.43 (.450)

• US Standard Product, available through Molex franchised distributors

Features and Benefits

- High reliability, square contact
- EMI/RFI protection
- ISDN standard
- Industry standard footprint and height
- Shunt allows signal control and line check

Reference Information

Product Specification: PS-95040

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Physical

Housing: Black polyester, UL 94V-0

Contact: Phosphor Bronze

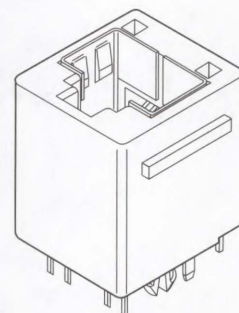
Plating: Post plate 1.27 to 1.52 μ m (50 to 60 μ ") Gold
in contact area, 1.90 μ m (75 μ ") min. (90/10)

Tin/Lead in tail area both over Nickel overall

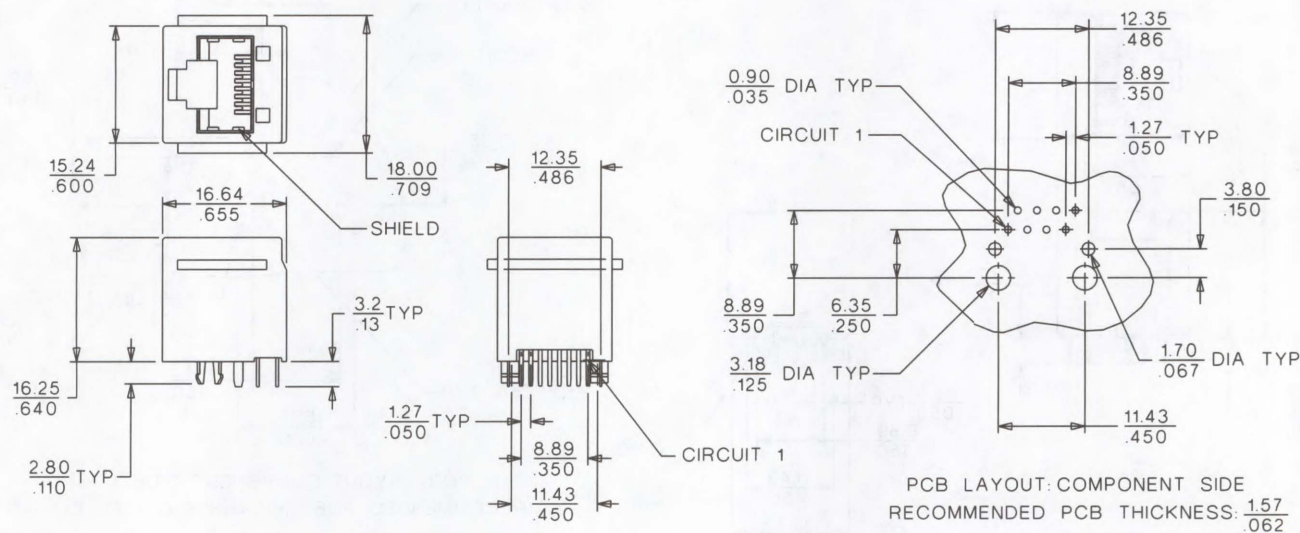
Operating Temperature: -40 to +80°C

95052

Vertical, Standard Profile Internal Shield



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION

Circuits	Loaded Contacts	Order No.
8	8	95052-2887

FEATURES AND SPECIFICATIONS

Features and Benefits

- Fully shielded connector
- Advanced EMI/RFI protection
- ISDN standard
- Industry standard footprint and height

Reference Information

Product Specification: PS-95122

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Shielding Effectiveness: 20 dB min.

Physical

Housing: Black polyester, UL 94V-0

Contact: Phosphor Bronze

Plating: Post plate 1.27 to 1.52μm (50 to 60μ") Gold
in contact area, 1.90μm (75μ") min. (90/10)

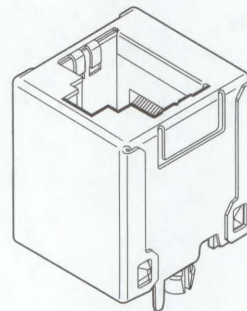
Tin/Lead in tail area both over Nickel overall

Operating Temperature: -40 to +80°C

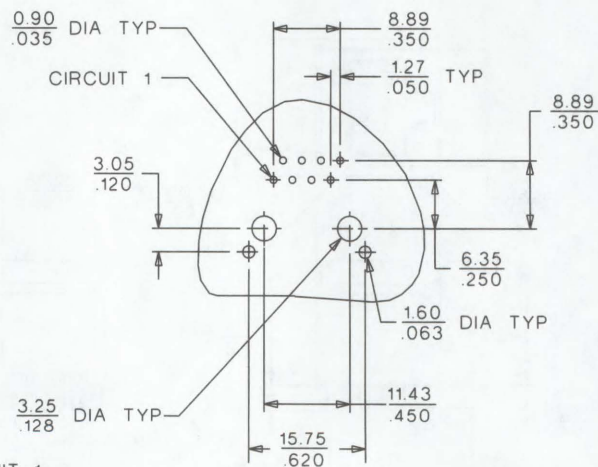
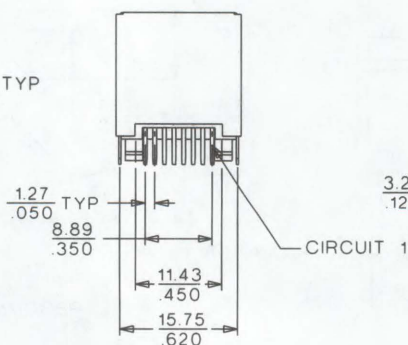
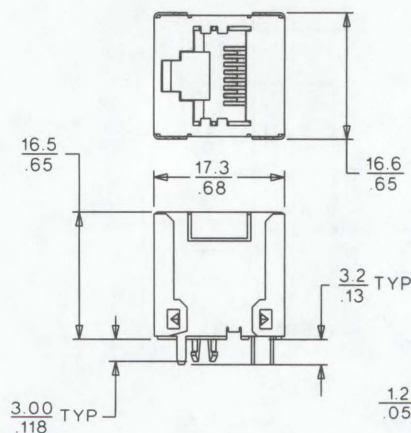
molex® Modular Jack

95123

**Vertical, Standard Profile
Shielded**



CATALOG DRAWING (FOR REFERENCE ONLY)



PCB LAYOUT: COMPONENT SIDE
RECOMMENDED PCB THICKNESS: C (SEE CHART)

ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Key	Dimension C
8	8	95123-2881	No	1.57 (.059)

Features and Benefits

- Mates with FCC 68 plug
- Very low profile
- Bottom entry allows space saving in PCB-design

Reference Information

Product Specification: PS-95002-E

Packaging: Tray

Mates With: FCC 68 plugs

Designed In: Millimeters

Electrical

Voltage: 125V

Current: 1.5A

Contact Resistance: 20mΩ max.

Dielectric Withstanding Voltage: 1000V

Insulation Resistance: 500 MΩ min.

Physical

Housing: Black polyamide, UL 94V-0

Contact: Phosphor Bronze

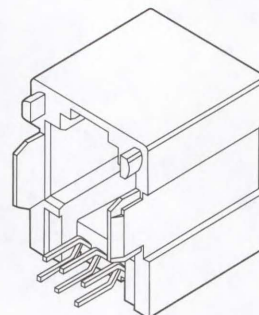
Plating: Post plate 1.27 to 1.52 μ m (50 to 60 μ ") Gold
in contact area, 1.90 μ m (75 μ ") min. (90/10)

Tin/Lead in tail area both over Nickel overall

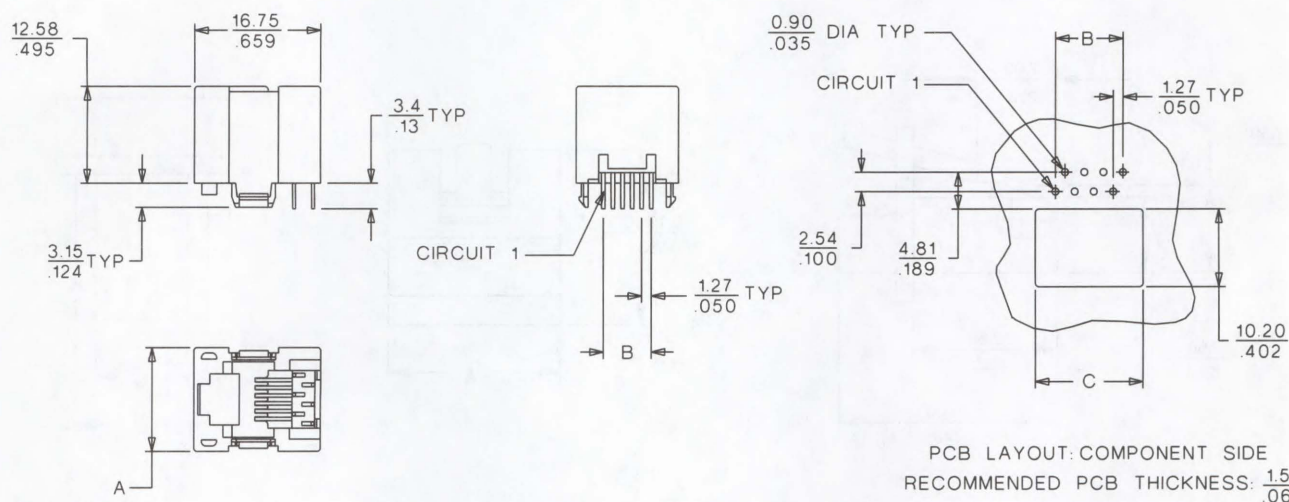
Operating Temperature: -40 to +80°C

95002

Bottom Entry Low Profile



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Loaded Contacts	Order No.	Dimension		
			A	B	C
4	4	95002-2443	11.40 (.449)	3.81 (.150)	10.20 (.402)
6	4	95002-2643	13.43 (.529)	3.81 (.150)	12.20 (.480)
6	6	95002-2663	13.43 (.529)	6.35 (.250)	12.20 (.480)
8	8	95002-2883	15.46 (.609)	8.89 (.350)	14.20 (.559)

FEATURES AND SPECIFICATIONS

Features and Benefits

- Dust protection of jacks not in use
- FCC 68 plug latching system

Reference Information

Packaging: Bag

Mates With: FCC68 jacks

Designed In: Millimeters

Physical

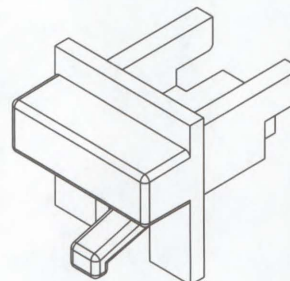
Housing: Black polycarbonate, UL 94V-1

Temperature: -40 to +80°C

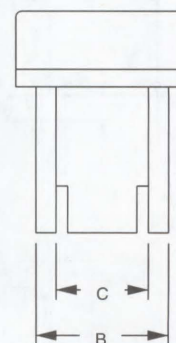
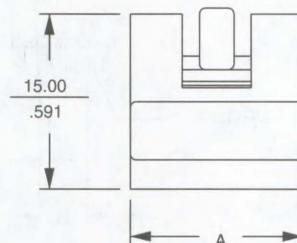
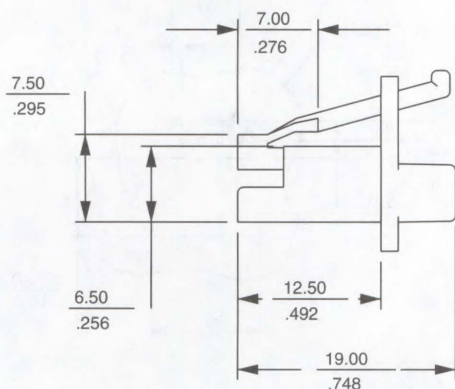
molex® Modular Jack

85999

**Blind Plug
Dust Cover**



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

Circuits	Order No.	Dimension		
		A	B	C
6/6	85999-3256	13.0 (.51)	6.00 (.236)	9.60 (.378)
8/8	85999-3255	15.0 (.59)	8.00 (.315)	11.50 (.453)

FEATURES

- For prototype and repairs
- Ratchet will not open until crimp action is completed
- Die sets can be changed to accommodate different circuit sizes

ORDERING INFORMATION

Description	Order No.	Plug	Plug Size and No. of Contacts
W.E. Plug, N.K.	69008-1120	90075-0003	4/4
W.E. Plug, N.K.	69008-1120	90075-0027	4/4
W.E. Plug, N.K.	69008-1121	90075-0011	6/4
W.E. Plug, Key	69008-1121	90075-0035	6/4
W.E. Plug, N.K.	69008-1122	90075-0007	6/6
W.E. Plug, N.K.	69008-1122	90075-0031	6/6
W.E. Plug, N.K.	69008-1123	90075-0136/0145	8/6
W.E. Plug, N.K.	69008-1124	90075-0132/0141	8/8

This range of hand tools is for the application of loose part plugs only

Manual Plug Hand Tool for 90075 Series



- For prototype and repairs
- Ratchet will not open until crimp action is completed
- Die sets can be changed to accommodate different circuit sizes

ORDERING INFORMATION

Description	Order No.	Plug
Shielded 5.40mm Cable	69008-1100	95043-2881
Shielded 6.00mm Cable	69008-1104	95043-5881

Manual Shielded Plug Hand Tool for 95043 Series



- For prototype and repairs
- Ratchet will not open until crimp action is completed

ORDERING INFORMATION

Description	Order No.	Plug
8 Circuit	69008-1106	87522

Manual Plug Hand Tool for 87522 Series



- For prototype and repairs
- Ratchet will not open until crimp action is completed
- Die sets can be changed to accommodate different circuit sizes

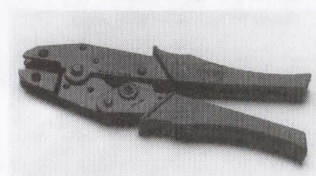
ORDERING INFORMATION

Circuits	Order No.		Plug
	Tool and Dies	Dies Only	
4/4	11-32-4790	11-32-4767	87031
6/2	11-32-4795	11-32-4796	87031
6/4	11-32-4795	11-32-4796	87031
6/6	11-32-4791	11-32-4796	87031

Preferred Version in Europe—Not Available in the US

Circuits	Order No.	Plug
4/4	69008-1110	87031
6/4	69008-1113	87031
6/6	69008-1114	87031

Manual Plug Hand Tool for 87031 Series

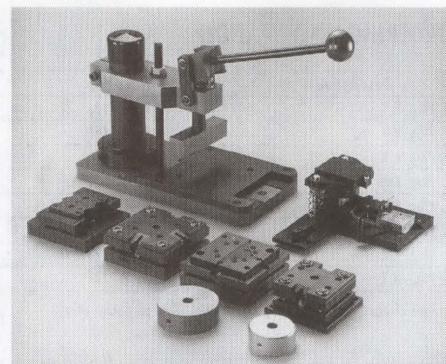


ORDERING INFORMATION

Available only in Europe

molex® Application Tooling

Manual Press and Fixtures for 90075



Description	Order No.
Manual Press Only	69020-0660

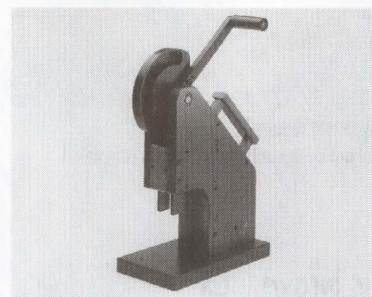
Description	Order No.		Plug	Plug Size and No. of Contacts
	Terminator Die	Terminator Die Spare Tooling		
W.E. Plug, N.K.*	69020-0500		90075-0003	4/4
W.E. Plug, N.K.*	69020-0500		90075-0027	4/4
W.E. Plug, N.K.*	69020-0500		90075-0011	6/4
W.E. Plug, Key*	69020-0500		90075-0035	6/4
W.E. Plug, Key*	69020-0500		90075-0012	6/4
W.E. Plug, Key*	69020-0500		90075-0036	6/4
W.E. Plug, N.K.*	69020-0500		90075-0007	6/6
W.E. Plug, N.K.*	69020-0500		90075-0031	6/6
W.E. Plug, Key*	69020-0500		90075-0008	6/6
W.E. Plug, Key*	69020-0500		90075-0032	6/6
W.E. Plug, N.K.*	69020-0140		90075-0128	8/6 S. Body
W.E. Plug, N.K.*	69020-0140		90075-0136	8/6 S. Body
W.E. Plug, N.K.*	69020-0140		90075-0145	8/6 S. Body
W.E. Plug, N.K.*	69020-0140		90075-0124	8/8 S. Body
W.E. Plug, N.K.*	69020-0140		90075-0132	8/8 S. Body
W.E. Plug, N.K.*	69020-0140		90075-0141	8/8 S. Body
Low Profile Jack	69020-0083	69020-0081		4/4
Low Profile Jack	69020-0084	69020-0082		6/6
Low Profile Jack	69020-0098	69020-0097		6/4
Low Profile Jack	69020-0105	69020-0102		8/6
Low Profile Jack	69020-0104	69020-0099		8/8

FEATURES

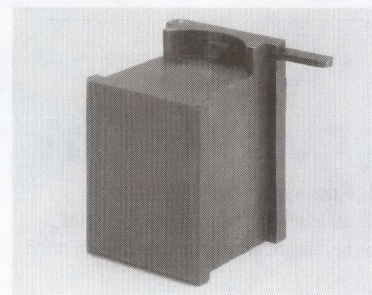
- Modular
- Quick tooling changeovers
- Ratchet terminator assures completion of full cycle

Available Primarily in the U.S.

Manual Standard Press for 90075 Series



Manual Standard Press



Fixture



Die

ORDERING INFORMATION

Description	Order No.
Manual Standard Press	11-31-6356

Description	Order No.			Plug	Plug Size and No. of Contacts
	Press Assembly ¹	Fixture Only	Die Only		
W.E. Plug, N.K.*	11-20-1273	11-21-9933	11-28-0225	90075-0003	4/4
W.E. Plug, N.K.*	11-20-1273	11-21-9933	11-28-0225	90075-0027	4/4
W.E. Plug, N.K.*	11-20-1273	11-21-9933	11-28-0225	90075-0011	6/4
W.E. Plug, N.K.*	11-20-1273	11-21-9933	11-28-0225	90075-0035	6/4
W.E. Plug, N.K.*	11-20-1273	11-21-9933	11-28-0225	90075-0007	6/6
W.E. Plug, N.K.*	11-20-1273	11-21-9933	11-28-0225	90075-0031	6/6
W.E. Plug, N.K.*	11-20-1274	11-21-9933	69020-0140	90075-0145	8/6 S. Body
W.E. Plug, N.K.*	11-20-1274	11-21-9933	69020-0140	90075-0132	8/8 S. Body
W.E. Plug, N.K.*	11-20-1274	11-21-9933	69020-0140	90075-0141	8/8 S. Body

* These are terminated as loose parts only

¹ The press assembly includes an arbor press, fixture and die

Note: For more information reference the Application Tooling section

FEATURES

- Modular
- Quick tooling changeovers
- Ratchet terminator assures completion of full cycle

Available Primarily in the US



Application Tooling

Manual Standard Press for 87031 Series

ORDERING INFORMATION

Description	Order No.
Manual Standard Press	11-31-6356

Press Assembly [†]	Order No.		Plug	Plug Size and No. of Contacts
	Fixture Only	Die Only		
11-20-1270	11-31-7559	11-32-4767	87031-0413	4/4*
11-20-1270	11-31-7559	11-32-4767	87031-0423	4/4*
11-20-1270	11-31-7559	11-32-4767	87031-0433	4/4*
11-20-1272	11-31-7559	11-32-4796	87031-0615	6/2*
11-20-1272	11-31-7559	11-32-4796	87031-0625	6/2*
11-20-1272	11-31-7559	11-32-4796	87031-0635	6/2*
11-20-1272	11-31-7559	11-32-4796	87031-0617	6/4*
11-20-1272	11-31-7559	11-32-4796	87031-0627	6/4*
11-20-1272	11-31-7559	11-32-4796	87031-0637	6/4*
11-20-1271	11-31-7559	11-32-4768	87031-0619	6/6*
11-20-1271	11-31-7559	11-32-4768	87031-0629	6/6*
11-20-1271	11-31-7559	11-32-4768	87031-0639	6/6*

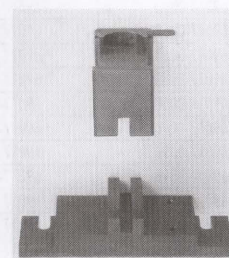
* These are terminated as loose parts only

[†] The press assembly includes an arbor press, fixture and die

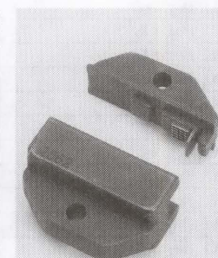
Note: For more information reference the Application Tooling section



Manual Standard Press



Fixture



Die

FEATURES AND SPECIFICATIONS

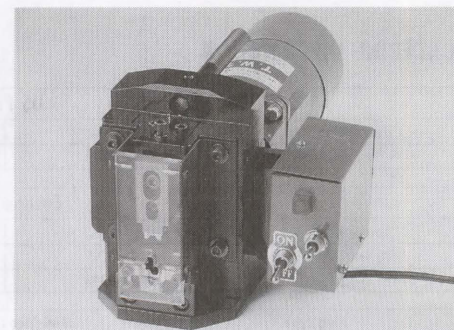
Features

- High precision
- Easily changeable tooling
- Portable
- All electric operation
- Simple operation

Specifications

Weight: 10.5kg (23.2 lb)
 Size: Width—150mm (5.9")
 Depth—305mm (12")
 Height—150mm (5.9")
 Electrical: 110V, 60 Hz, 7A
 Rate: 600 terminations per hour depending on operator skill

Shielded Modular Plug Auto Termination Machine for 95043 Series



ORDERING INFORMATION

Description	Order No.	Product No.
Shielded Modular Plug Auto-Termination	62300-1400	95043

FEATURES AND SPECIFICATIONS

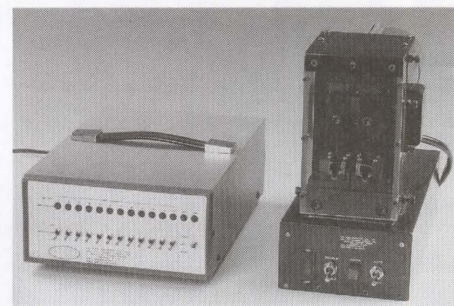
Features

- Able to terminate and test 2 modular plugs simultaneously or terminate 1 modular plug with no test ability
- Low maintenance
- Testing applications include: continuity, broken lines and short circuits
- Tester is Factory set for 1-to-1 wiring pattern, but may be field set for any wiring pattern

Specifications

Weight (Machine): 18.2kg (40.1 lb)
 Size (Machine): Width—145mm (5.7")
 Depth—330mm (13")
 Height—270mm (10.6")
 Weight (Tester): 4.54kg (10 lb)
 Size (Tester): Width—215mm (8.5")
 Depth—310mm (12.2")
 Height—115mm (4.5")
 Electrical: 110V, 60 Hz, 7A
 Rate: 900 terminations per hour depending on operator skill

Dual Terminating Machine with Tester for 87522 and 87031 Series



ORDERING INFORMATION

Description	Order No.	Connector
Dual Terminating Machine with Tester	62300-1500	87522/87031

Modular Plugs and Jacks

0

ORDERING INFO

Preferred Version in Europe — Not Available in the US



Application Tooling

Semi-Automatic TM-40/42 Terminator Dies For 90075 Series



Description	Order No.	Volts	Used With
European TM-42 Press	69002-5000	220V	T2 and Terminator Dies
US TM-42 Press	69002-5001	110V	T2 and Terminator Dies

Description	Order No.		Plug	Plug Size and No. of Contacts
	Terminator Die	Terminator Die Spare Tooling		
W.E. Plug, N.K.*	69017-0087	69017-0088	90075-0001	4/4
W.E. Plug, N.K.*	69017-0087	69017-0088	90075-0025	4/4
W.E. Plug, N.K.*	69017-0087	69017-0088	90075-0049	4/3
W.E. Plug, N.K.*	69017-0087	69017-0088	90075-0053	4/3
W.E. Plug, N.K.*	69017-0069	69017-0067	90075-0057	6/2
W.E. Plug, Key*	69017-0065	69017-0059	90075-0058	6/2
W.E. Plug, N.K.*	69017-0069	69017-0067	90075-0061	6/3
W.E. Plug, Key*	69017-0065	69017-0059	90075-0062	6/3
W.E. Plug, N.K.*	69017-0069	69017-0067	90075-0009	6/4
W.E. Plug, N.K.*	69017-0065	69017-0059	90075-0033	6/4
W.E. Plug, Key*	69017-0065	69017-0059	90075-0010	6/4
W.E. Plug, Key*	69017-0065	69017-0059	90075-0034	6/4
W.E. Plug, N.K.*	69017-0068	69017-0066	90075-0005	6/6
W.E. Plug, N.K.*	69017-0068	69017-0066	90075-0029	6/6
W.E. Plug, Key*	69017-0060	69017-0058	90075-0006	6/6
W.E. Plug, Key*	69017-0060	69017-0058	90075-0030	6/6
W.E. Plug, N.K.*	69017-0096	69017-0044	90075-0126	8/6 S. Body
W.E. Plug, N.K.*	69017-0096	69017-0044	90075-0134	8/6 S. Body
W.E. Plug, N.K.*	69017-0096	69017-0044	90075-0143	8/6 S. Body
W.E. Plug, N.K.*	69017-0095	69017-0050	90075-0122	8/8 S. Body
W.E. Plug, N.K.*	69017-0095	69017-0050	90075-0130	8/8 S. Body
W.E. Plug, N.K.*	69017-0095	69017-0050	90075-0139	8/8 S. Body

* The above die units apply to chain feed products only

FEATURES AND SPECIFICATIONS

ORDERING INFORMATION

US Press			
Description	Order No.	Volts	Used With
TM-2000	63800-8300	110V	FineAdjust and Mini-Mac Applicators

Europe Press			
Description	Order No.	Volts	Used With
P100 Bench Press	69014-0095	220V	FineAdjust and Mini-Mac Applicators
P107 Bench Press	69014-0092	220V	FineAdjust and Mini-Mac Applicators

Plug Type	Mini-Mac Applicator	Mini-Mac Spare Tooling
90075 4/4	69037-1213	69037-2213
90075 6/2	69037-1228	69037-2228
90075 6/4	69037-1229	69037-2229
90075 6/6	69037-1183	69037-2183
90075 8/8	69037-1190	69037-2190

Semi-Automatic Mini-Mac Applicator For 90075 Series Plugs

