



THE DATASHEET OF MODS-E-6P6C-L-S

MODS-D, MODS-E SERIES

SINGLE VERTICAL & SMT MODULAR JACKS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MODS-D

Insulator Material:

Nylon 46/ PBT Glass Filled
(Nylon for -SM, PBT for -TH)

Contact Material:

Phosphor Bronze

Shield Material:

Copper Alloy

Plating:

Gold on Contacts,
Nickel on Shield, Tin on Tails

Operating Temp Range:

-25°C to +90°C

Current Rating:

1.5 A per contact

Voltage Rating:

120 VAC

Contact Resistance:

20 mΩ max

Minimum Cycles:

500

System Applications:

CAT3

Packaging:

Packaged and shipped in
Bulk Packaging Trays; Trays
suitable for automation are
available upon request.

RoHS Compliant:

Yes

Lead-Free Solderable:

-SM=Yes

-TH=Yes (Wave Solder only)



MODS

D

POSITIONS
CONTACTS

PLATING

SHIELD
OPTION

TAIL

-6P4C = 6 Positions 4 Contacts

-6P6C = 6 Positions 6 Contacts

-8P8C = 8 Positions 8 Contacts

-L
= 15μ" (0,38 μm) Gold on
Mating Area, Gold Flash on Tails

-U
= 50μ" (1,27 μm) Gold on
Mating Area, Gold Flash on Tails

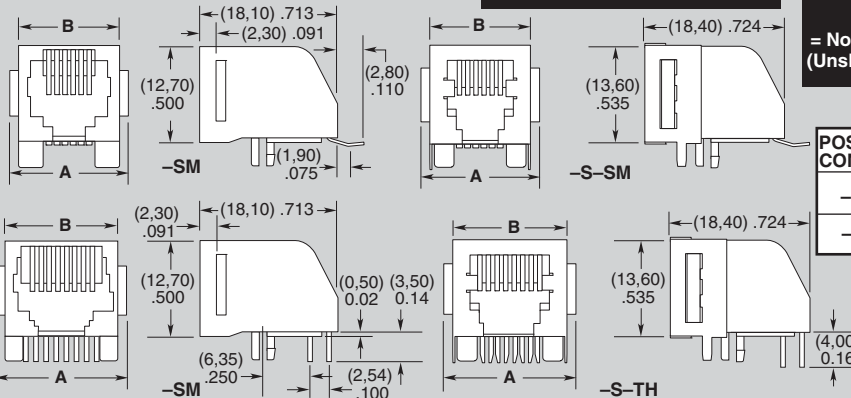
(Leave Blank for
Unshielded)

-S
= Shielded

-N
= No Panel Stops
(Unshielded Only)

-SM
= Surface
Mount

-TH
= Through-
hole



POSITIONS CONTACTS	A	B	B (-S)
-6PXC	(15,90) .626	(13,30) .524	(14,10) .555
-8P8C	(17,80) .701	(15,20) .598	(16,00) .630

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MODS-E

Insulator Material:

PBT Glass Filled

Contact Material:

Phosphor Bronze

Shield Material:

Copper Alloy

Plating:

Gold on Contacts,
Nickel on Shield

Operating Temp Range:

-25°C to +90°C

Current Rating:

1.5 A per contact

Voltage Rating:

120 VAC

Contact Resistance:

20 mΩ max

Minimum Cycles:

500

System Applications:

CAT3

Packaging:

Packaged and shipped in
Bulk Packaging Trays; Trays
suitable for automation are
available upon request.

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes (Wave Solder only)



MODS

E

POSITIONS
CONTACTS

PLATING

SHIELD
OPTION

-4P4C = 4 Positions 4 Contacts

-6P4C = 6 Positions 4 Contacts

-6P6C = 6 Positions 6 Contacts

-8P8C = 8 Positions 8 Contacts

Unshielded Only

-G
= 15μ" (0,38 μm)
Gold on Mating Area,
Gold Flash on Tails

-E
= 50μ" (1,27 μm)
Gold on Mating Area,
Gold Flash on Tails

Shielded Only

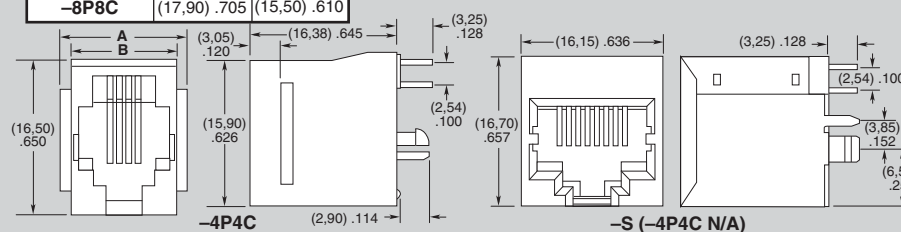
-L
= 15μ" (0,38 μm)
Gold on Mating Area,
Gold Flash on Tails

-U
= 50μ" (1,27 μm)
Gold on Mating Area,
Gold Flash on Tails

(Leave Blank for
Unshielded)

-S
= Shielded
(-4P4C and Panel
Stops N/A)

POSITIONS CONTACTS	A	B
-4P4C	(13,80) .543	(11,43) .450
-6PXC	(15,90) .626	(13,46) .530
-8P8C	(17,90) .705	(15,50) .610



APPLICATION SPECIFIC OPTION

- No panel stop option available
- Other plating options available
- Call Samtec.

Due to technical progress, all designs, specifications and components are subject to change without notice.

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