

**PLUG:** MK-2R2-031-335-220S  
**RECEPTACLE:** MK-2S2-031-445-220S  
 XX-XXX-XXX-XXX-XXXX-XXX  
 |     |     |     |  
 BODY CONTACTS OPTIONS  
 SERIES SIZE HARDWARE



## PLUG

### SERIES

MK .050" Rugged Metal PC Board Mount Connector  
(MK mates with MK, ML, MM, MN, receptacles)

### BODY

- 2 2-Row (Sizes 9 thru 37)
- 3 3-Row (Size 51 & 69)
- 4 4-Row (size 100 only)

BODY STYLE: Thru Cut

- R Plug, right angle (thru clearance cut), narrow footprint, w/ mounting holes

BODY MATERIAL:

- 2 Electroless nickel shell w/ PPS insulator
- 3 Electrodeposited cadmium shell w/ PPS insulator ☒
- 4 Hard anodized black shell w/ PPS insulator
- 5 Stainless steel shell w/ PPS insulator
- A Pure Electro-Deposited Aluminum
- K Zinc Nickel Plating
- T Nickel Polymer Plating

### SIZE

XXX 009, 015, 021, 025, 031, 037, 051, 069, 100

### CONTACTS

TYPE CONTACTS/TERMINATIONS:

- 32 Pin, right angle, PCB leads, .109"
- 33 Pin, right angle, PCB leads, .140"
- 34 Pin, right angle, PCB leads, .172"

PLATING OPTIONS:

- 3 50 µ" Au contacts: Au terminations
- 5 50 µ" Au contacts; Sn/Pb alloy terminations ☒
- 7 50 µ" Au contacts; SAC305 terminations

### HARDWARE

STYLE OF HARDWARE:

- 00 None
- 22 Two fixed jacknuts (62)
- 41 Two turning jackscrews, allen head, retaining ring\*\*\*\* (81)
- 99 Keying hardware, see options below (Body material 2, 3 and 4 only)

POLARIZATION / WIRING:

- 0R Reversed body polarization\*\*
- 0S Standard body polarization

### OPTIONS

- KPXX Two fixed jacknuts (KN\*)
- 94P Mil-Spec footprint (size 100 only), standard body polarization
- 0B7 #2-56 threaded inserts, standard body polarization
- 0BJ Mil-Spec footprint (size 100 only) with #2-56 threaded inserts, standard body polarization
- 0H7 #4-40 threaded inserts (size 100 only), standard body polarization
- 0H6 Mil-Spec footprint (size 100 only) with #4-40 threaded inserts, standard body polarization

### NOTES

See page MA-6 for keying options

\* = Use numbers in parenthesis when ordering size 100.

\*\* = 100 position connector standard body polarization only.

\*\*\*\* = Connector body has no mounting holes.

☒ = Option not RoHS compliant

## RECEPTACLE

### SERIES

MK .050" Rugged Metal PC Board Mount Connector  
(MK mates with MK, ML, MM, MN plugs)

### BODY

- 2 2-Row (Sizes 9 thru 37)
- 3 3-Row (Size 51 & 69)
- 4 4-Row (Size 100 only)

BODY STYLE: Thru Cut

- S Receptacle, right angle (thru clearance cut), narrow footprint, w/ mounting holes

BODY MATERIAL:

- 2 Electroless nickel shell w/ PPS insulator
- 3 Electrodeposited cadmium shell w/ PPS insulator ☒
- 4 Hard anodized black shell w/ PPS insulator
- 5 Stainless steel shell w/ PPS insulator
- A Pure Electro-Deposited Aluminum
- K Zinc Nickel Plating
- T Nickel Polymer Plating

### SIZE

XXX 009, 015, 021, 025, 031, 037, 051, 069, 100

### CONTACTS

TYPE CONTACTS/TERMINATIONS:

- 43 Socket, right angle, PCB leads, .109"
- 44 Socket, right angle, PCB leads, .140"
- 45 Socket, right angle, PCB leads, .172"

PLATING OPTIONS:

- 3 50 µ" Au contacts: Au terminations
- 5 50 µ" Au contacts; Sn/Pb alloy terminations ☒
- 7 50, u" Au contacts; SAC305 terminations

### HARDWARE

STYLE OF HARDWARE:

- 00 None
- 22 Two fixed jacknuts (62)
- 41 Two turning jackscrews, allen head, retaining ring\*\*\*\* (81)
- 99 Keying hardware, see options below (Body material 2, 3 and 4 only)

POLARIZATION / WIRING:

- 0R Reversed body polarization\*\*
- 0S Standard body polarization

### OPTIONS

- KPXX Two fixed jacknuts (KN\*) and interfacial sealing gasket.
- 900 Interfacial sealing gasket
- 0B7 #2-56 Threaded inserts and interfacial sealing gasket standard body polarization
- 0H7 #4-40 threaded inserts (size 100 only), and interfacial sealing gasket, standard body polarization

### NOTES

See page MA-6 for keying options

\* = Use numbers in parenthesis when ordering size 100.

\*\* = 100 position connector standard body polarization only.

\*\*\*\* = Connector body has no mounting holes.

☒ = Option not RoHS compliant

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