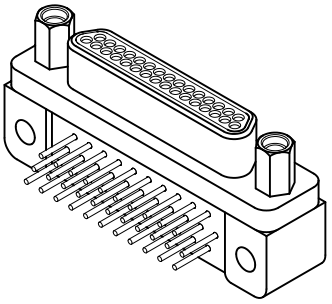
Right Angle Boardmount (Compressed Footprint)

.050"

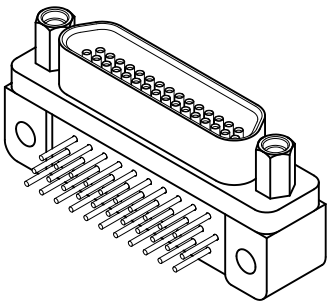
9 thru 100 Contacts

MK

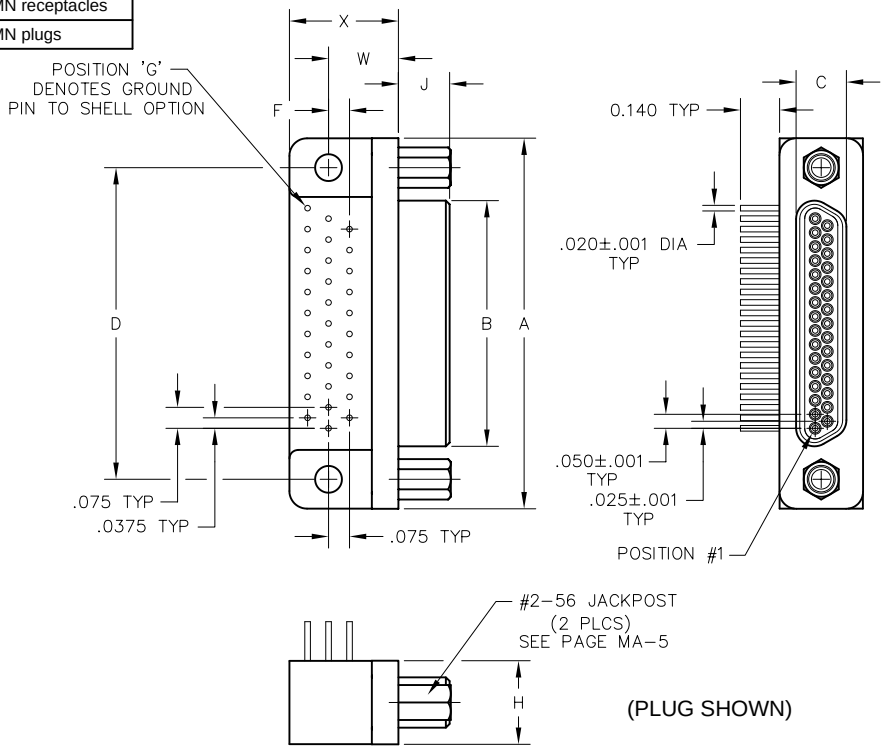
MK–2P2–031–A35–220S
(PLUG)



MK–2Q2–031–B45–220S
(RECEPTACLE)



MATING MATRIX	
CONNECTOR	MATES WITH
MK-2P...	MK, ML, MM, MN receptacles
MK-2Q..	MK, ML, MM, MN plugs



(PLUG SHOWN)

DIMENSIONS														
SIZE	CONTACT ROWS	A	B		C		D	F	H	J		W	X MAX	HARDWARE	MOUNTING HOLE
			PLUG MAX	RCPT MAX	PLUG MAX	RCPT MAX				PLUG	RCPT				
9	2	.775	.334	.400	.185	.251	.565	.0375	.298	.183	.195	.250	.400	#2–56 UNC THD	.096 DIA OR #2–56 UNC THREADED INSERT
15		.925	.484	.550			.715	.075							
21		1.075	.634	.700			.865								
25		1.175	.734	.800			.965								
31		1.325	.884	.950			1.115								
37		1.475	1.034	1.100			1.265								
51	3	1.425	.984	1.050	.228	.294	1.215	.1125	.341			.300	.490		
69		1.725	1.284	1.350			1.515								
100	4	2.160	1.384	1.508	.271	.394	1.800	.1875	.384			.400	.660	#4–40 UNC THD	.125 DIA OR #4–40 UNC THREADED INSERT

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PLUG: MK–2P2–031–335–220S
RECEPTACLE: MK–2Q2–031–445–220S

XX–XXX–XXX–XXX–XXXX–XXX

SERIES | BODY | SIZE | CONTACTS | HARDWARE | OPTIONS

PLUG

SERIES

MK .050" Rugged Metal PC Board Mount Connector

BODY

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

BODY STYLE:
P Plug, right angle, compressed footprint

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

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"
A2 Pin, right angle, PCB leads, .109", w/ ground pin option
A3 Pin, right angle, PCB leads, .140", w/ ground pin option
A4 Pin, right angle, PCB leads, .172", w/ ground pin option

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*)
99 Keying hardware, see options below

POLARIZATION:
0S Standard body polarization

OPTIONS

0B7 Threaded inserts in mounting holes
KPXX Two fixed jacknuts (KN*)

NOTES

See page MA-6 for keying options

RECEPTACLE

SERIES

MK .050" Rugged Metal PC Board Mount Connector

BODY

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

BODY STYLE:
Q Receptacle, right angle, compressed footprint

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

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"
B3 Socket, right angle, PCB leads, .109", w/ ground pin option
B4 Socket, right angle, PCB leads, .140", w/ ground pin option
B5 Socket, right angle, PCB leads, .172", w/ ground pin option

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*)
99 Keying hardware, see options below

POLARIZATION:
0S Standard body polarization

OPTIONS

900 Interfacial sealing gasket
0B7 Threaded inserts in mounting holes and interfacial sealing gasket
KPXX Two fixed jacknuts (KN*) and interfacial sealing gasket

NOTES

See page MA-6 for keying options

* = Use numbers in parenthesis when ordering size 100.
☒ = Option not RoHS compliant

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