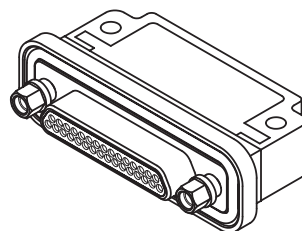


**Rear Panel Mount,
Right Angle
Boardmount**

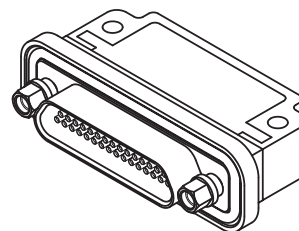
.050"

9 thru 100 Contacts

MK

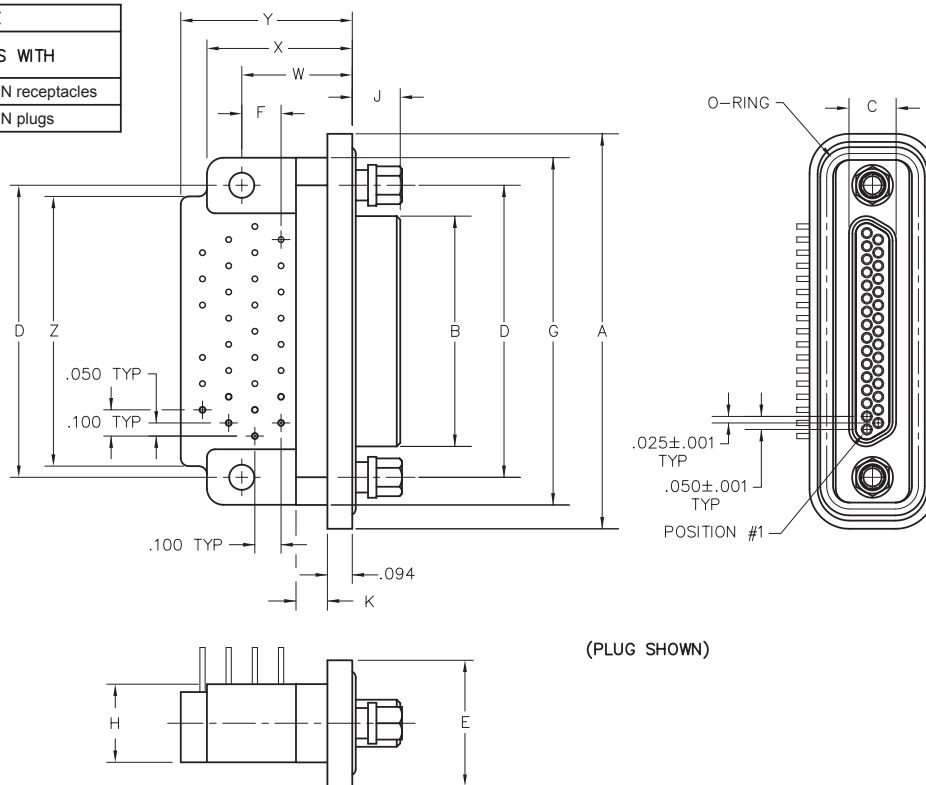


MK-2D2-031-335-260S
(PLUG)



MK-2E2-031-445-260S
(RECEPTACLE)

MATING MATRIX	
CONNECTOR	MATES WITH
MK-2D...	MK, ML, MM, MN receptacles
MK-2E...	MK, ML, MM, MN plugs



(PLUG SHOWN)

DIMENSIONS																					
SIZE	CONTACT ROWS	B			C		D	E	F	G	H	J		K	W	X MAX	Y MAX	Z	HARDWARE	MOUNTING HOLE	
		PLUG MAX	RCPT MAX	PLUG MAX	RCPT MAX	PLUG						RCPT									
9	2	.957	.334	.400	.185	.251	.565	.480	.150	.775	.298	.183	.195	.120	.421	.560	.560	1.075	#2-56 UNC THD	.096 DIA OR #2-56 UNC THREADED INSERT	
15		1.107	.484	.550			.715														.925
21		1.257	.634	.700			.865														1.075
25		1.357	.734	.800			.965														1.175
31		1.507	.884	.950			1.115														1.325
37	1.657	1.034	1.100	1.265	1.475																
51	3	1.657	.984	1.050	.228	.294	1.215	.523	.150	1.425	.341	.183	.195	.120	.421	.550	.770	1.220	#2-56 UNC THD	.096 DIA OR #2-56 UNC THREADED INSERT	
69		1.957	1.284	1.350			1.515			1.725											.870
100	4	2.383	1.384	1.508	.271	.394	1.800	.600	.200	2.160	.381	.176	.577	.775	1.180	1.810	#4-40 UNC THD	.125 DIA OR #4-40 UNC THREADED INSERT			

— CLICK HERE —

REQUEST QUOTE

www.geminelec.com

PAGE 1 OF 5 PAGES

(800) 882-6414 | sales@geminelec.com

PLUG: MK 2D2-031-335-260S
RECEPTACLE: MK 2E2-031-445-260S
XX-XXX-XXX-XXX-XXXX-XXX
| | | | |
BODY CONTACTS OPTIONS
SERIES SIZE HARDWARE

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:

- D Plug, right angle, rear panel mount with fluorosilicone o-ring

BODY MATERIAL:

- 2 Electroless nickel shell w/ PPS insulator
- 3 Electrodeposited cadmium shell w/ PPS insulator
- 4 Hard anodized black 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"

PLATING OPTIONS:

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

HARDWARE

STYLE OF HARDWARE:

- 00 None
- 24 Two fixed jacknuts, rear panel mount, .040" panel thickness (64*)
- 26 Two fixed jacknuts, rear panel mount, .060" panel thickness (66*)
- 28 Two fixed jacknuts, rear panel mount, .070" panel thickness (68*)
- 29 Two fixed jacknuts, rear panel mount, .080" panel thickness (69*)

POLARIZATION:

- 0S Standard body polarization

OPTIONS

- EMI EMI gasket (in lieu of fluorosilicone o-ring)
- 0B7 Threaded inserts in mounting holes
- 0FW Threaded inserts in mounting holes and EMI gasket (in lieu of fluorosilicone o-ring)

NOTES

See page MA-10 for rear panel mounting dimensions.
See page MA-7 for rear panel hardware dimensions.

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

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:

- E Receptacle, right angle, rear panel mount with fluorosilicone o-ring and interfacial seal

BODY MATERIAL:

- 2 Electroless nickel shell w/ PPS insulator
- 3 Electrodeposited cadmium shell w/ PPS insulator
- 4 Hard anodized black 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"

PLATING OPTIONS:

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

HARDWARE

STYLE OF HARDWARE:

- 00 None
- 24 Two fixed jacknuts, rear panel mount, .040" panel thickness (64*)
- 26 Two fixed jacknuts, rear panel mount, .060" panel thickness (66*)
- 28 Two fixed jacknuts, rear panel mount, .070" panel thickness (68*)
- 29 Two fixed jacknuts, rear panel mount, .080" panel thickness (69*)

POLARIZATION:

- 0S Standard body polarization

OPTIONS

- EMI EMI gasket (in lieu of fluorosilicone o-ring)
- 0B7 Threaded inserts in mounting holes
- 0FW Threaded inserts in mounting holes and EMI gasket (in lieu of fluorosilicone o-ring)

NOTES

See page MA-10 for rear panel mounting dimensions.
See page MA-7 for rear panel hardware dimensions.

— CLICK HERE —

Mating Matrix for AirBorn "M" Series Connectors

RECEPTACLES

P L U G S	MA (Strip)	MC (Circular)	MM (Hybrid)	MK (Metal) PC Board	ML (Plastic) PC Board	MM (Metal) I/O	MN (Plastic) I/O	MP (Plastic) I/O	MQ (Metal) I/O	MR (Plastic) PC Board	MS (Metal) PC Board	
	MA (Strip)	XX										
	MC (Circular)		XX									
	MM (Hybrid)			XX								
	MK (Metal) PC Board				BB	BB	BI	BI				
	ML (Plastic) PC Board				BB	BB	BI	BI				
	MM (Metal) I/O				IB	IB	II	II				
	MN (Plastic) I/O				IB	IB	II	II				
	MP (Plastic) I/O								II	II	IB	IB
	MQ (Metal) I/O								II	II	IB	IB
	MR (Plastic) PC Board								BI	BI	BB	BB
	MS (Metal) PC Board								BI	BI	BB	BB

I/O Connectors

MM-MN-MP-MQ

PC Board Mounted Connectors

MK-ML-MR-MS

Inter-mateable Connectors

MK-ML-MM-MN
MP-MQ-MR-MS

KEY:

BB = PC Board Mounted Plug with PC Board Mounted Receptacle

BI = PC Board Mounted Plug with I/O Receptacle

IB = I/O Plug with PC Board Mounted Receptacle

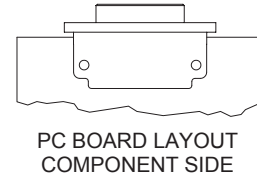
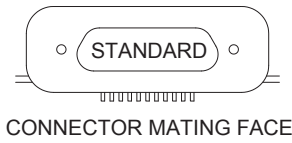
II = I/O Plug with I/O Receptacle

For Military Configurations, See pages MIL-1 thru MIL-22

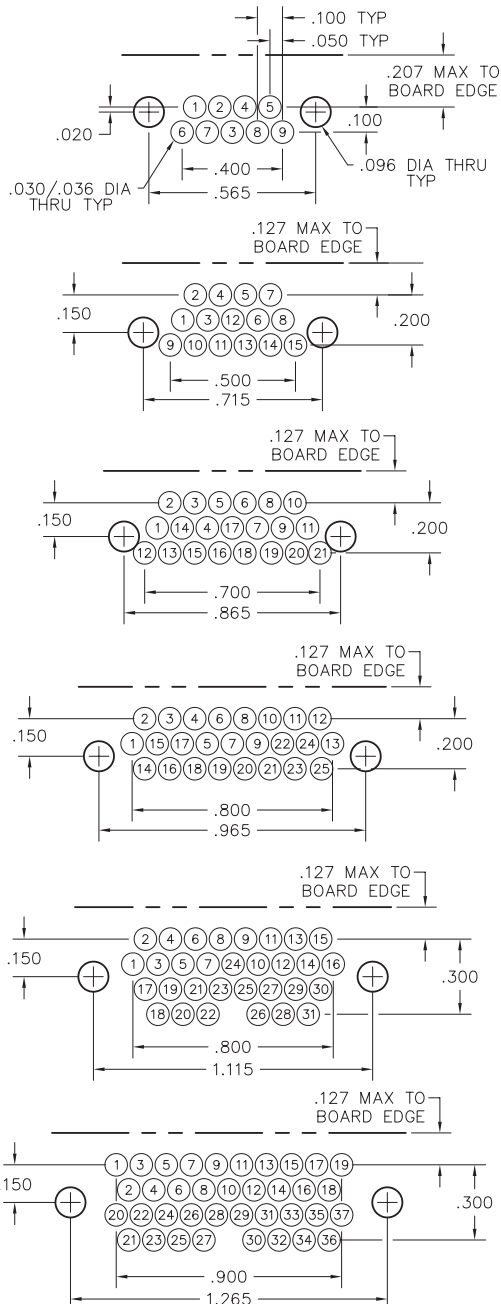
— CLICK HERE —

Recommended PC Board Layout

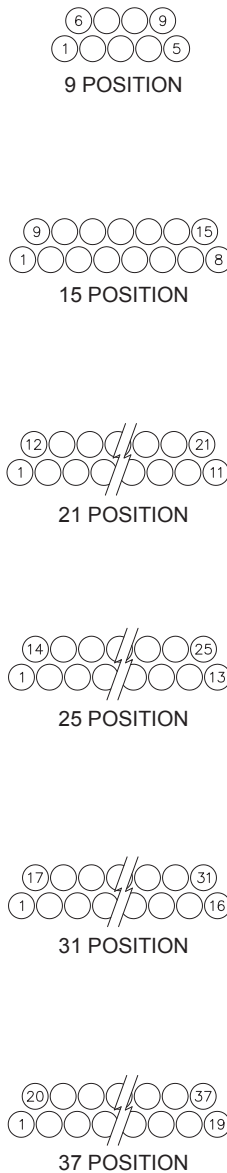
Right Angle, Narrow Footprint
Rear Panel Mount
Standard Polarization



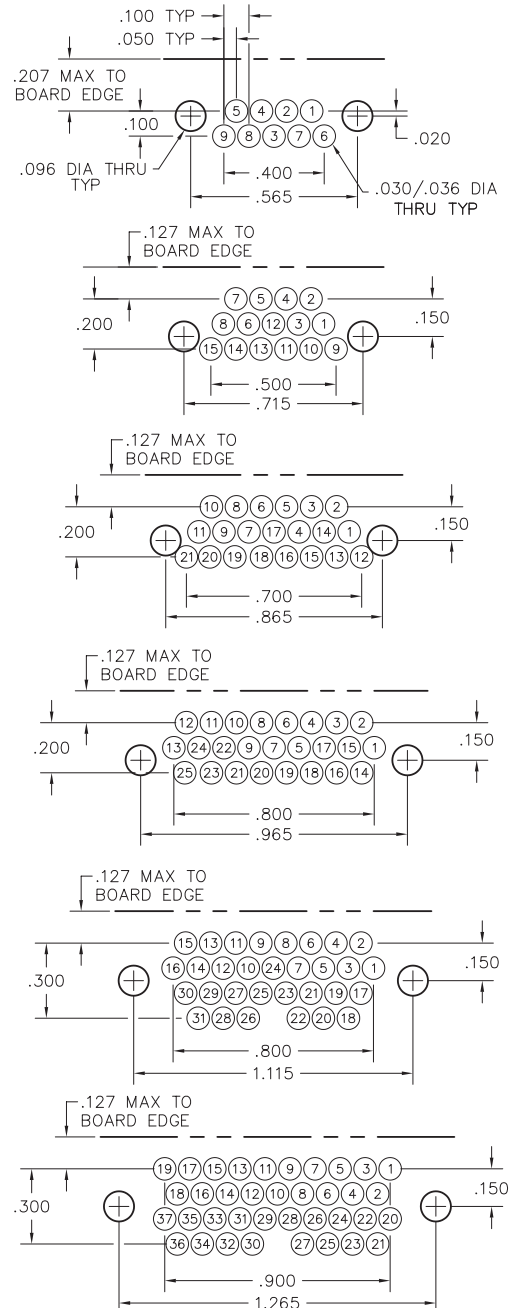
PLUG
PC BOARD LAYOUT
COMPONENT SIDE



CONNECTOR MATING FACE*
(RECEPTACLE)



RECEPTACLE
PC BOARD LAYOUT
COMPONENT SIDE



— CLICK HERE —

REQUEST QUOTE

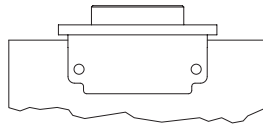
www.geminelec.com

PAGE 4 OF 5 PAGES

(800) 882-6414 | sales@geminelec.com



CONNECTOR MATING FACE

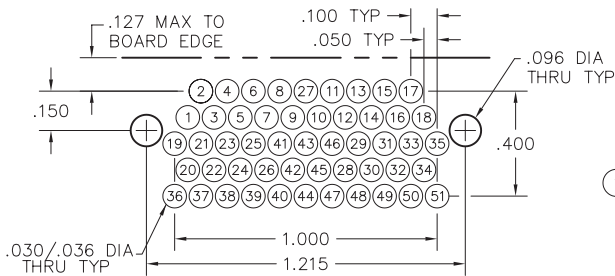


PC BOARD LAYOUT COMPONENT SIDE

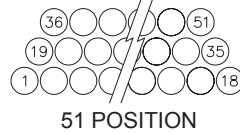
Recommended PC Board Layout

Right Angle, Narrow Footprint
Rear Panel Mount
Standard Polarization

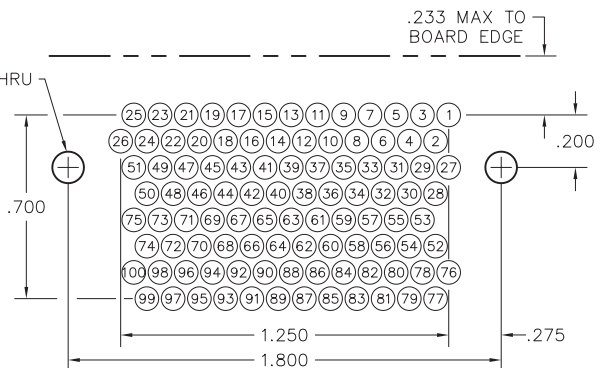
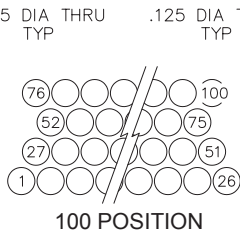
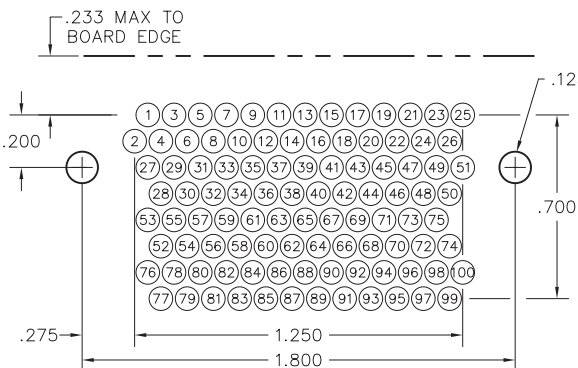
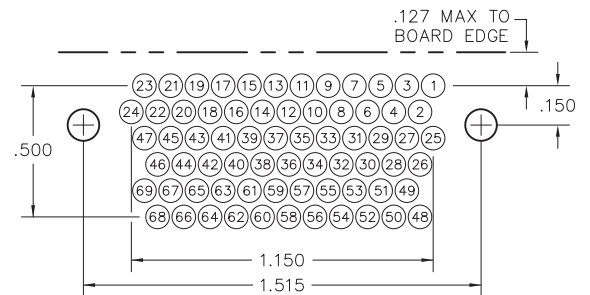
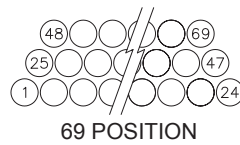
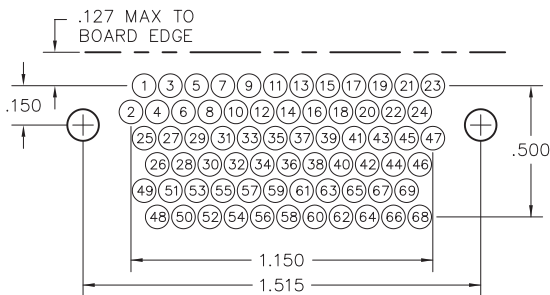
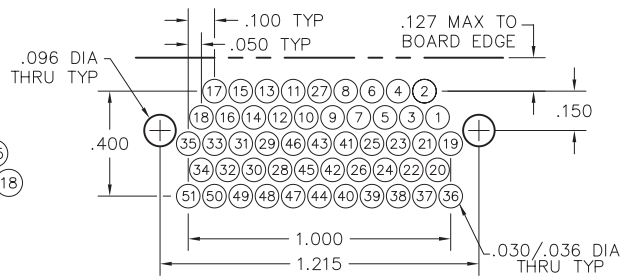
PLUG
PC BOARD LAYOUT COMPONENT SIDE



CONNECTOR MATING FACE* (RECEPTACLE)



RECEPTACLE
PC BOARD LAYOUT COMPONENT SIDE



* For pin (plug) connectors, the contact numbers are reversed left to right.

— CLICK HERE —

REQUEST QUOTE

www.geminelec.com

PAGE 5 OF 5 PAGES

(800) 882-6414 | sales@geminelec.com