



(1,00 mm) .0394"

MEC1-RA, MEC1-EM SERIES

MEC1-130-02-L-D-EM2

MEC1-120-02-L-D-RA1-SL

MEC1-120-02-F-D-EM2

RIGHT ANGLE/EDGE MOUNT SOCKETS

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MEC1-RA

Insulator Material:

Black LCP

Contact Material:

Phosphor Bronze

Plating: Au or Sn over

50µ" (1,27 µm) Ni

Current Rating:

1.6 A per pin

(2 adjacent pins powered)

Operating Temp Range:

-55°C to +125°C

Insertion Depth:

(5,84 mm) .230" to

(8,13 mm) .320"

RoHS Compliant: Yes

Processing:

Lead-Free Solderable: Yes

SMT Lead Coplanarity:

(0,10 mm) .004" max (05-40)

(0,15 mm) .006" max (50-70)

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

MEC1

1

POSITIONS
PER ROWCARD
SLOTPLATING
OPTION

D

RA1

NP

SL

Mates with:
(1,60 mm)
.062" card

05, 08, 20, 30,
40, 50, 60, 70

-02
= (1,60 mm)
.062" thick card

-F
= Gold flash on contact,
Matte Tin on tail

-L
= 10µ" (0,25 µm)
Gold on contact,
Matte Tin on tail

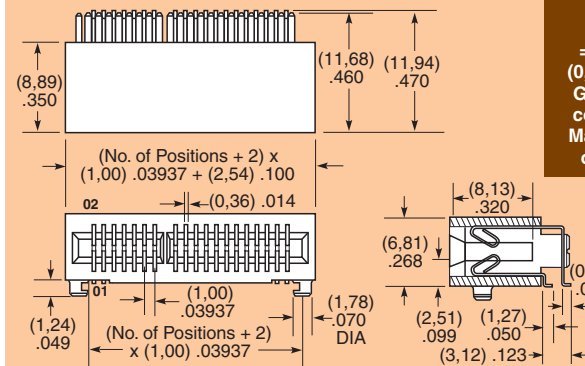
POSITIONS PER ROW	POLARIZED POSITIONS
05	3, 4
08	5, 6
20	15, 16
30	21, 22
40	31, 32
50	41, 42
60	31, 32, 63 & 64
70	53, 54, 115 & 116

-NP
= No Polarization
(8 positions only)
Leave Blank for
polarization

**ALSO
AVAILABLE
(MOQ Required)**

- Elevated body height
 - Other platings
- Contact Samtec.

Note: While optimized for 50Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75Ω applications. Contact Samtec for further information.



Note: Some sizes, styles and options are non-standard, non-returnable.

APPLICATION

Samtec recommends that pads on the mating board be Gold plated.

SPECIFICATIONS

For complete specifications and recommended PCB layouts see www.samtec.com?MEC1-EM

Insulator Material:

Black LCP

Contact Material:

Phosphor Bronze

Plating: Au or Sn over

50µ" (1,27 µm) Ni

Current Rating:

1.8 A per pin

(2 adjacent pins powered)

Operating Temp Range:

-55°C to +125°C

Insertion Depth:

(5,84 mm) .230" to

(8,13 mm) .320"

RoHS Compliant:

Yes

Lead-Free Solderable:

Yes

RECOGNITIONS

For complete scope of recognitions see www.samtec.com/quality



FILE NO. E111594

MEC1

1

POSITIONS
PER ROW

02

PLATING
OPTION

D

EM2

NP

Mates with:
(1,60 mm)
.062" card

05, 08, 20, 30,
40, 50, 60, 70

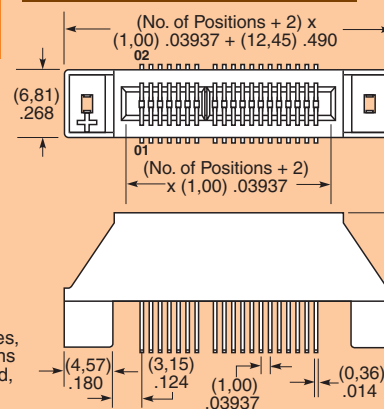
-F
= Gold flash on contact,
Matte Tin on tail

-L
= 10µ" (0,25 µm) Gold on contact,
Matte Tin on tail

-NP
= No Polarization
(8 positions only)
Leave Blank for
polarization

**ALSO
AVAILABLE
(MOQ Required)**

- Edge mount leads for (0,80 mm) .031" thick board
 - Other platings
- Contact Samtec.



Note: Some sizes, styles and options are non-standard, non-returnable.

Note: While optimized for 50Ω applications, this connector with alternative signal/ground patterns may also perform well in certain 75Ω applications. Contact Samtec for further information.

POSITIONS PER ROW	POLARIZED POSITIONS
05	3, 4
08	5, 6
20	15, 16
30	21, 22
40	31, 32
50	41, 42
60	31, 32, 63 & 64
70	53, 54, 115 & 116

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

WWW.SAMTEC.COM

SAMTEC USA • Tel: +1-800-SAMTEC-9 or +1-812-944-6733 SAMTEC NORTHERN CALIFORNIA • Tel: +1-408-395-5900 SAMTEC SOUTHERN CALIFORNIA • Tel: +1-800-726-8329
 SAMTEC SOUTH AMERICA • Tel: +55 31 3786 3227 SAMTEC UNITED KINGDOM • Tel: +44 01236 739292 SAMTEC GERMANY • Tel: +49 (0) 89 / 89460-0
 SAMTEC FRANCE • Tel: +33 1 60 95 06 60 SAMTEC ITALY • Tel: +39 039 6890337 SAMTEC NORDIC/BALTIC • Tel: +46 8 4477280 SAMTEC BENELUX • Tel: +44 01236 739292
 SAMTEC ISRAEL • Tel: +972 3 7526600 SAMTEC INDIA • Tel: +91 80 3272 1612 SAMTEC ANZ • Tel: +613 9580 0683 SAMTEC SINGAPORE • Tel: +65 6745 5955 SAMTEC JAPAN • Tel: +81 45 475 1385
 SAMTEC SHANGHAI • Tel: +86 21 6083 3766 SAMTEC SHENZHEN • Tel: +86 755 83776780 SAMTEC TAIWAN • Tel: +886 2 2735 6109 SAMTEC HONG KONG • Tel: +852 26904658 SAMTEC KOREA • Tel: +82 31 717 5685