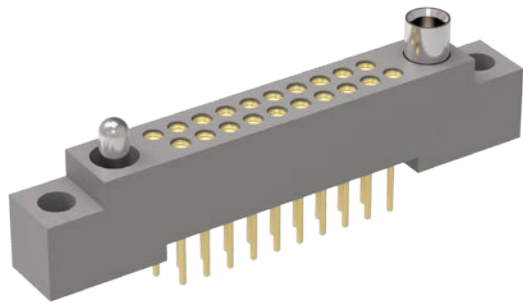


R Series

High-Density
0.075"
(1.905mm)



2
Row

RM – Two-Row, Straight, Board-Mount Receptacle

Contact Spacing: 0.075" (1.91 mm)

R-Series products are high-density, plastic connectors commonly used in board-to-board applications. Approved to MIL-55302 standard.

Sample Part Number Format: RM222-100-212-5500

SERIES	ROWS	STYLE	BODY MATERIAL	SIZE	PLATING	POLARIZATION
0.075" Plastic Rectangular Connector (Receptacle)	2 – 2-Row (10-100 contacts)	2 – Receptacle, straight with mounting ears 4 – Receptacle, straight without mounting ears	2 – Polyphenylene sulfide (PPS)	010 – 10 contacts 020 – 20 contacts 030 – 30 contacts 040 – 40 contacts 050 – 50 contacts 060 – 60 contacts 070 – 70 contacts 080 – 80 contacts 090 – 90 contacts 100 – 100 contacts	1 – Gold 2 – Pre-tinned, SnPb alloy (Plated thru-hole options, only) 3 – Pre-tinned, SAC305 alloy (Plated thru-hole options, only)	00 – None XX – See page 140 for codes 70 – Same as above, but without Loctite® (customer-keyed)
				TERMINATION 20 – Plated thru-hole, 0.109" x 0.020" Ø 21 – Plated thru-hole, 0.140" x 0.020" Ø 22 – Plated thru-hole, 0.172" x 0.020" Ø 23 – Plated thru-hole, 0.250" x 0.020" Ø 50 – Plated thru-hole, 0.140" x 0.016" Ø 51 – Plated thru-hole, 0.172" x 0.016" Ø 64 – Press-fit, 0.203" (board 0.093 – 0.125" thick) 65 – Press-fit, 0.323" (board 0.156 – 0.200" thick) 66 – Press-fit, 0.403" (board .250" or thicker)	HARDWARE 0256 – None 55 – Guide set 57 – Two guide pins 58 – Two guide sockets 29 – Fixed jackset 30 – Fixed jackset, reversed 19 – Two fixed jackscrews 20 – Two fixed jackscrews 59 – Hex turning jackset, 0.200" 60 – Hex turning jackset reversed, 0.200" 61 – Two hex turning jackscrews, 0.200" 62 – Two hex turning jackscrews, 0.200" 64 – Turning jackset, 0.490"	

Notes:

‡ Not RoHS-compliant

PLEASE CONSULT THE AIRBORN WEBSITE FOR THE LATEST REVISION OF THIS DOCUMENT PRIOR TO BEGINNING ANY DESIGN WORK.

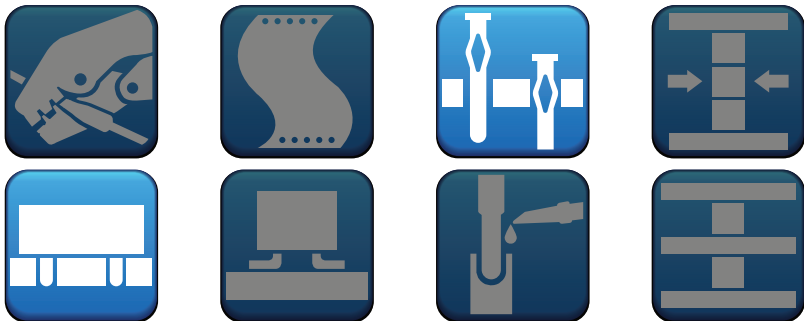
Mates with

RM212 & RM232 — Two-row, straight plug

RM252 & RM272 — Two-row, right-angle plug

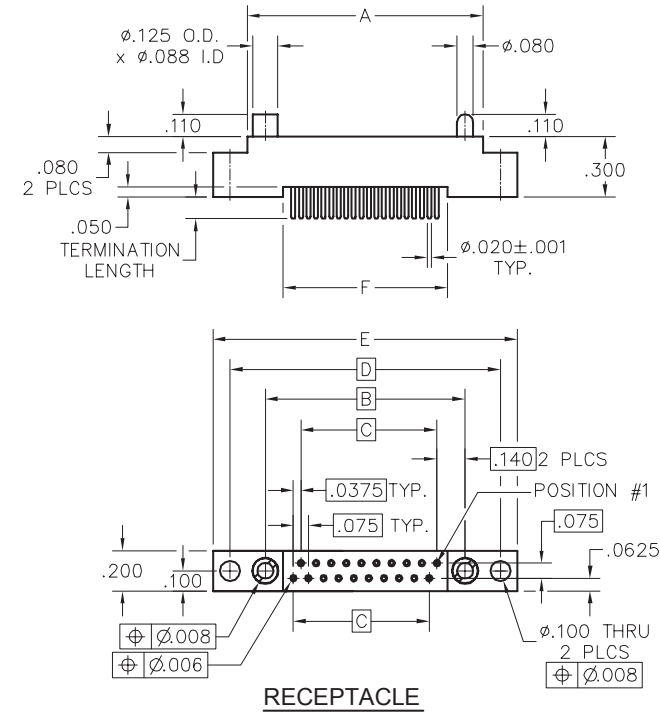
RM2 — Two-row, I/O plug

Terminations

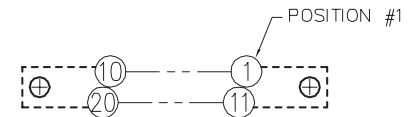
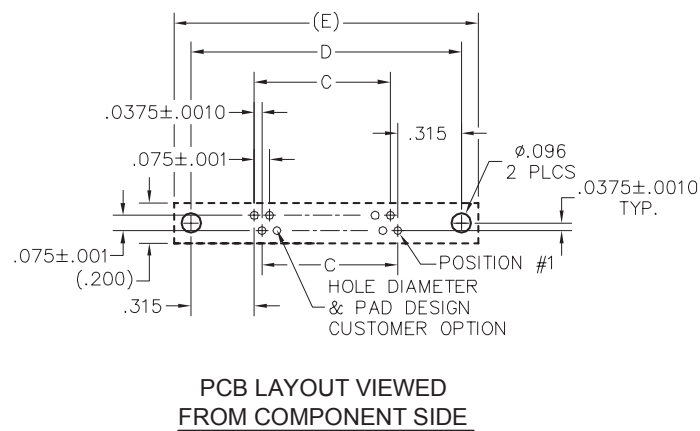


RM – Two-Row, Straight, Board-Mount Receptacle

Plastic ▪ 2-Row ▪ 10-100 Contacts



DIMENSIONS						
SIZE	A	B	C	D	E	F
10	.797	.617	.300	.967	1.137	.420
20	1.172	.992	.675	1.342	1.512	.795
30	1.547	1.367	1.050	1.717	1.887	1.170
40	1.922	1.742	1.425	2.092	2.262	1.545
50	2.297	2.117	1.800	2.467	2.637	1.920
60	2.672	2.492	2.175	2.842	3.012	2.295
70	3.047	2.867	2.550	3.217	3.387	2.670
80	3.422	3.242	2.925	3.592	3.762	3.045
90	3.797	3.617	3.300	3.967	4.137	3.420
100	4.172	3.992	3.675	4.342	4.512	3.795



PIN IDENTIFICATION PATTERN
VIEWED FROM TERMINATION SIDE
(EXAMPLE: 20 POSITION CONNECTOR)

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Mouser Electronics

Authorized Distributor

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AirBorn:

<u>RM222-030-211-2900</u>	<u>RM222-040-202-5500</u>	<u>RM222-040-212-5500</u>	<u>RM222-040-211-2900</u>	<u>RM222-060-202-2900</u>
<u>RM222-050-211-0256</u>	<u>RM222-020-202-2900</u>	<u>RM222-050-211-2900</u>	<u>RM222-100-211-5500</u>	<u>RM222-030-211-5500</u>
<u>RM222-060-211-0256</u>	<u>RM222-020-211-5500</u>	<u>RM222-080-211-5500</u>	<u>RM222-060-211-5500</u>	<u>RM222-090-211-5500</u>
<u>RM222-050-211-5500</u>	<u>RM222-070-211-5500</u>	<u>RM222-010-211-5500</u>	<u>RM222-080-211-5570</u>	