

## QRM8 Board Mates: QRF8

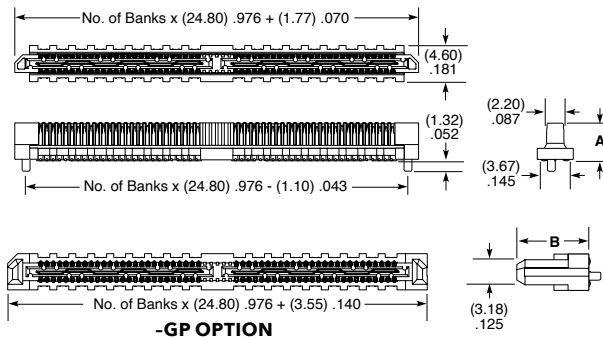
## QRF8 Board Mates: QRM8

## QRM8/QRF8 Cable Mates: EQRD

### SPECIFICATIONS

**Insulator Material:**  
Black LCP  
**QRM8 Terminal Material:**  
Phosphor Bronze  
**QRF8 Contact Material:**  
BeCu  
**Ground Plane Material:**  
Phosphor Bronze  
**Plating:**  
Au or Sn over  
50 μ" (1.27 μm) Ni  
**Operating Temp Range:**  
-55 °C to +125 °C  
**Current Rating:**  
Contact:  
3.3 A per pin  
(2 pins powered)  
**Voltage Rating:**  
215 VAC/304 VDC  
**Max Cycles:**  
100

QRM8	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTIONS	"X"R
	-026, -052, -078 (52 total pins per bank = -D)	-02.0 = 2 mm Body Height Not available with -054 & -078 Positions)	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	-D = Single- Ended		-GP = Guide Post	Leave blank for Tray Packaging
	-018, -036, -054 (18 pairs per bank = -D-DP)	-05.0 = 5 mm Body Height	-S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail	-D-DP = Differential Pair		-K = (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad	-TR = Tape & Reel  -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks)
		-07.0 = 7 mm Body Height					



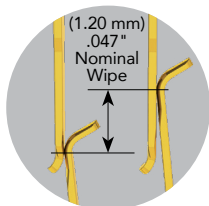
LEAD STYLE	A	B
-02	(4.81) .189	(6.12) .241
-05	(7.81) .307	(9.12) .359
-07	(9.78) .385	(11.12) .438

-GP OPTION

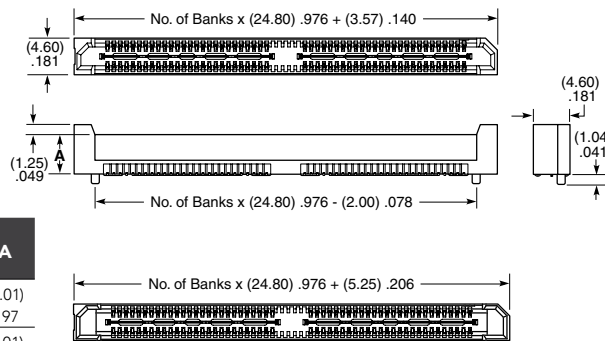
### PROCESSING

View complete specifications at: [samtec.com?QRM8](http://samtec.com?QRM8)

**Lead-Free Solderable:**  
Yes  
**SMT Lead Coplanarity:**  
(0.10 mm) .004" max  
(018-026)  
(0.15 mm) .006" max  
(036-078)\*  
\*(.004" stencil solution  
may be available; contact  
ipg@samtec.com)  
**Board Stacking:**  
For applications requiring  
more than two connectors  
contact ipg@samtec.com



QRF8	PINS PER ROW NO. OF PAIRS	LEAD STYLE	PLATING OPTION	TYPE	A	OTHER OPTIONS	"X"R
	-026, -052, -078 (52 total pins per bank = -D)	-05.0 = 5 mm Body Height	-L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail	-D = Single- Ended		-GP = Guide Post	Leave blank for Tray Packaging
	-018, -036, -054 (18 pairs per bank = -D-DP)	-07.0 = 7 mm Body Height	-S = 30 μ" (0.76 μm) Gold on contact, Matte Tin on tail	-D-DP = Differential Pair		-K = (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad	-TR = Tape & Reel (Not available with -054 & -078 positions)
							-FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (Not available with -054 & -078 positions)



LEAD STYLE	A
-05	(5.01) .197
-07	(7.01) .276

-GP OPTION

### MATED HEIGHT\*

QRF8 LEAD STYLE	QRM8 LEAD STYLE		
	-02.0	-05.0	-07.0
-05	(7.00) .276	(10.00) .394	(12.00) .472
-07	(9.00) .354	(12.00) .472	(14.00) .551

\*Processing conditions will affect mated height.  
See SO Series for board space tolerances.

View complete specifications at: [samtec.com?QRF8](http://samtec.com?QRF8)

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Samtec:](#)

[QRM8-018-05.0-S-D-DP-A-GP-K-TR](#)