



(0.80 mm) .0315" PITCH • QRM8/QRF8 SERIES

NRZ
28
Gbps



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 μ m) Ni

Operating Temp Range:
-55 °C to +125 °C

Current Rating:

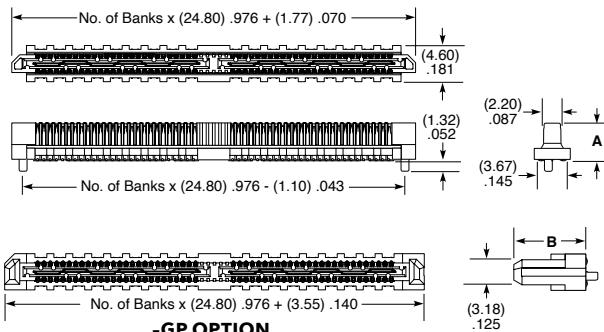
Contact:
3.3 A per pin
(2 pins powered)

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 μ m) 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	-D-DP = Differential Pair			-K = (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad	-TR = Tape & Reel

-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

PROCESSING

View complete specifications at: samtec.com?QRM8

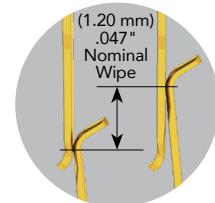
Lead-Free Solderable:
Yes

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)

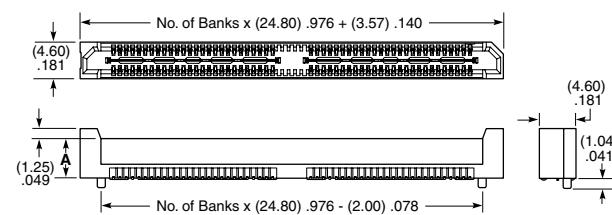
Board Stacking:

For applications requiring more than two connectors contact ipg@samtec.com

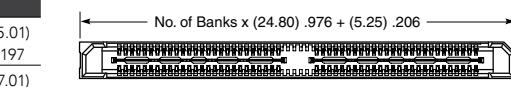


Note:
Some lengths, styles and options are non-standard, non-returnable.

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 μ m) 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	-D-DP = Differential Pair			-K = (5.00 mm) .197" DIA Polyimide Film Pick & Place Pad	-TR = Tape & Reel (Not available with -054 & -078 positions)



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



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QRF8 LEAD STYLE	MATED HEIGHT*					
	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.