

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

QRM8
Board Mates:
QRF8

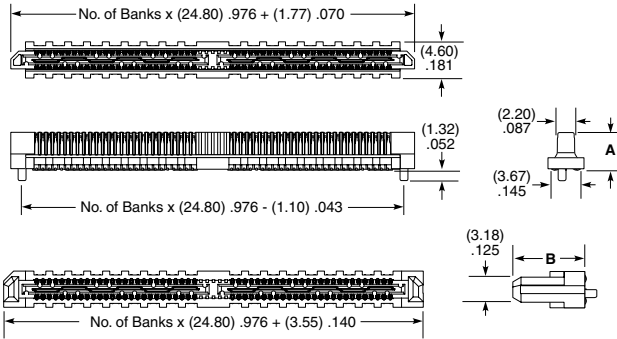
QRF8
Board Mates:
QRM8

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
Current Rating:
Contact:
2.2 A per pin (2 pins powered)
Ground:
8.5 A per ground plane
(1 ground plane powered)
Operating Temp Range:
-55 °C to +125 °C
Voltage Rating:
215 VAC
Max Cycles:
100

| QRM8 | PINS PER ROW NO. OF PAIRS | LEAD STYLE | PLATING OPTION | TYPE | A | OTHER OPTIONS |
|------|---|--|--|---------------------------------|---|---|
| | -026, -052, -078 (52 total pins per bank = -D) | -02.0 = 2 mm Body Height (N/A -054 & -078 Positions) | -L = 10 μ" (0.25 μm) Gold on contact, Matte Tin on tail | -D = Single- Ended | | -GP = Guide Post |
| | -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 |
| | | -07.0 = 7 mm Body Height | | | | -TR = Tape & Reel (-018, -026, -036, -052 only) |
| | | | | | | -FR = Full Reel Tape & Reel (must order maximum quantity per reel; contact Samtec for quantity breaks) (-018, -026, -036, -052 only) |



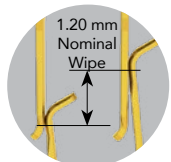
| LEAD STYLE | A | B |
|---------------|----------------|-----------------|
| -02 | (4.81) .189 | (6.12) .241 |
| -05 | (7.81) .307 | (9.12) .359 |
| -07 | (9.78) .385 | (11.12) .438 |

-GP OPTION

View complete specifications at: samtec.com?QRM8

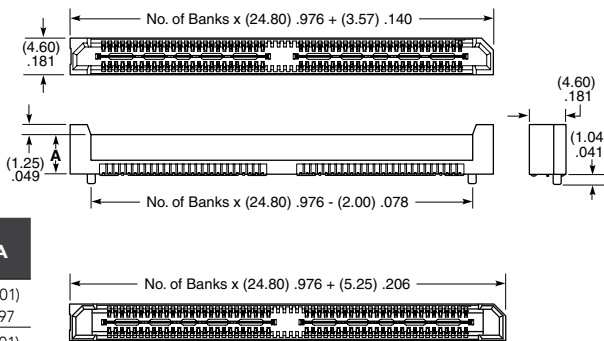
PROCESSING

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 |
|------|---|--------------------------------|--|------------------------------|---|---|
| | -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 |
| | -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 (-018, -026, -036, -052 only) |
| | | | | | | -FR = Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (-018, -026, -036, -052 only) |



| 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 |
| -05 | (7.00) .276 | (10.00) .394 |
| -07 | (9.00) .354 | (12.00) .472 |
| | | -07.0 |
| | | (14.00) .551 |

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

View complete specifications at: samtec.com?QRF8

Mouser Electronics

Authorized Distributor

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

Samtec:

[QRF8-026-05.0-L-D-A-GP-K-TR](#) [QRF8-052-05.0-L-D-A](#) [QRF8-026-07.0-L-D-A](#) [QRF8-078-05.0-L-D-A-GP](#) [QRF8-018-05.0-L-D-DP-A](#) [QRF8-026-05.0-L-D-A](#) [QRF8-078-05.0-L-D-A](#) [QRF8-052-07.0-L-D-A-GP](#) [QRF8-026-05.0-L-D-A-GP](#) [QRF8-052-05.0-L-D-A-GP](#) [QRF8-026-07.0-L-D-A-GP](#) [QRF8-052-05.0-L-D-A-GP-K](#) [QRF8-026-05.0-S-D-A-GP-K-TR](#) [QRF8-026-05.0-L-D-A-GP-K](#) [QRF8-036-05.0-S-D-DP-A](#) [QRF8-036-07.0-L-D-DP-A-GP](#) [QRF8-052-05.0-S-D-A-GP-K-TR](#) [QRF8-078-05.0-S-D-A-GP](#) [QRF8-018-05.0-S-D-DP-A](#) [QRF8-052-01-S-RA-GP-K-TR](#) [QRF8-052-05.0-L-D-A-GP-TR](#) [QRF8-054-05.0-S-D-DP-A](#) [QRF8-018-05.0-S-D-DP-A-GP-K](#) [QRF8-018-07.0-L-D-DP-A-GP](#) [QRF8-026-07.0-L-D-A-GP-K-TR](#) [QRF8-018-05.0-L-D-DP-A-K](#) [QRF8-026-05.0-S-D-A-GP](#) [QRF8-026-07.0-S-D-A](#) [QRF8-036-05.0-L-D-DP-A-GP](#) [QRF8-052-05.0-L-D-A-K-TR](#) [QRF8-052-05.0-S-D-A-GP](#) [QRF8-052-07.0-L-D-A-GP-K-TR](#) [QRF8-018-07.0-L-D-DP-A-K](#) [QRF8-026-05.0-L-D-A-K-TR](#) [QRF8-036-05.0-L-D-DP-A](#) [QRF8-052-07.0-L-D-A-K](#) [QRF8-078-07.0-L-D-A-GP-K](#) [QRF8-036-07.0-L-D-DP-A](#) [QRF8-078-05.0-L-D-A-K](#) [QRF8-078-05.0-S-D-A](#) [QRF8-078-07.0-L-D-A-GP](#) [QRF8-052-05.0-S-D-A-K-TR](#) [QRF8-052-07.0-L-D-A](#) [QRF8-078-07.0-L-D-A](#) [QRF8-026-01-S-RA-GP-TR](#) [QRF8-026-05.0-L-D-A-K](#) [QRF8-026-05.0-L-D-A-TR](#) [QRF8-052-01-L-RA-GP-TR](#) [QRF8-052-07.0-L-D-A-K-TR](#) [QRF8-078-07.0-L-D-A-K](#) [QRF8-018-05.0-L-D-DP-A-GP](#) [QRF8-052-01-L-RA-GP-K](#) [QRF8-078-05.0-L-D-A-GP-K](#) [QRF8-018-07.0-L-D-DP-A](#) [QRF8-026-07.0-L-D-A-K-TR](#) [QRF8-052-05.0-L-D-A-GP-K-TR](#) [QRF8-052-07.0-S-D-A-GP](#) [QRF8-054-05.0-L-D-DP-A-K](#) [QRF8-036-05.0-L-D-DP-A-K](#) [QRF8-018-07.0-L-D-DP-A-GP-K](#) [QRF8-036-05.0-S-D-DP-A-K](#) [QRF8-018-05.0-S-D-DP-A-GP](#) [QRF8-026-07.0-L-D-A-GP-K](#) [QRF8-018-05.0-L-D-DP-A-GP-K](#) [QRF8-018-05.0-L-D-DP-A-K-TR](#) [QRF8-026-05.0-S-D-A](#) [QRF8-052-01-L-RA-GP-K-TR](#) [QRF8-052-05.0-L-D-A-K](#) [QRF8-052-05.0-S-D-A](#) [QRF8-052-07.0-S-D-A](#) [QRF8-078-01-S-RA-GP](#) [QRF8-036-05.0-L-D-DP-A-K-TR](#) [QRF8-054-07.0-L-D-DP-A-GP](#) [QRF8-026-07.0-S-D-A-GP](#) [QRF8-036-05.0-L-D-DP-A-TR](#) [QRF8-052-07.0-L-D-A-GP-K](#) [QRF8-026-07.0-L-D-A-K](#) [QRF8-018-05.0-L-D-DP-A-TR](#) [QRF8-026-01-S-RA-GP](#) [QRF8-052-05.0-L-D-A-TR](#) [QRF8-018-07.0-S-D-DP-A-GP](#) [QRF8-052-07.0-S-D-A-GP-K-TR](#) [QRF8-052-07.0-S-D-A-GP-K](#) [QRF8-078-07.0-S-D-A-GP-K](#) [QRF8-018-7.0-L-D-DP-A-GP-K-TR](#) [QRF8-026-05.0-S-D-A-K-TR](#) [QRF8-054-07.0-L-D-DP-A-GP-K](#)