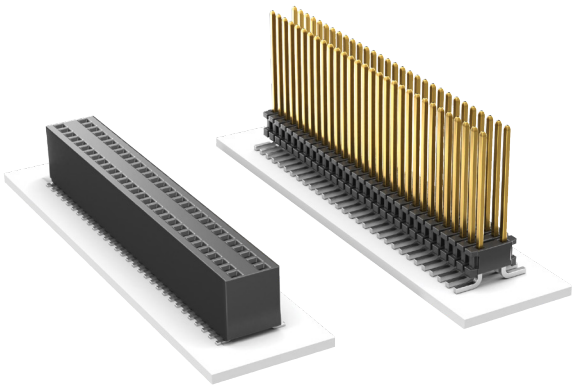
SMT MICRO HEADER & SOCKET

(1.27 mm) .050" PITCH • FTR/RSM SERIES



FTR
Mates:
RSM, SMS, SLM

RSM
Mates:
FTR, HTMS, HDWM, DWM, TML, ZML, TMS

SPECIFICATIONS

Insulator Material:
Black Liquid Crystal Polymer
Contact Material:
RSM: Phosphor Bronze
Terminal Material:
FTR: Phosphor Bronze
Plating:
Au or Sn over
50 µ" (1.27 µm) Ni
Operating Temp Range:
FTR: -55 °C to +105 °C with Tin;
FTR: -55 °C to +125 °C with Gold
RSM: -55 °C to +125 °C
Current Rating (FTR/RSM):
3.8 A per pin
(2 pins powered)
Voltage Rating:
290 VAC/410 VDC
Lead Size Accepted:
RSM: (0.46 mm) .018" SQ
Insertion Depth:
RSM: Top Entry =
(2.64 mm) .104"to (5.84 mm) .230" with (0.38 mm) .015" wipe, or pass-through.
RSM: Bottom Entry =
(5.49 mm) .216" minimum
(Add board thickness for correct post OAL)

PROCESSING

Lead-Free Solderable:
Yes
SMT Lead Coplanarity:
RSM: (0.10 mm) .004" max
FTR: (0.10 mm) .004" max (02-20)
FTR: (0.15 mm) .006" max (21-40)*
*(.004" stencil solution may be available; contact ipg@samtec.com)

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

FTR – 1 – NO. PINS PER ROW – LEAD STYLE – PLATING OPTION – ROW OPTION – OPTION

NO. PINS PER ROW: 02 thru 40

LEAD STYLE: Specify LEAD STYLE from chart

PLATING OPTION

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

–L
= 10 µ" (0.25 µm) Gold on post, Matte Tin on tail

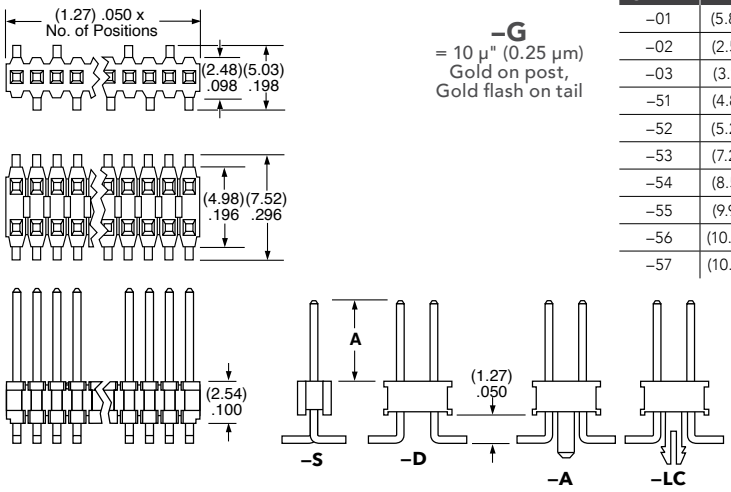
–G
= 10 µ" (0.25 µm) Gold on post, Gold flash on tail

ROW OPTION

–S
= Single Row

–D
= Double Row

LEAD STYLE	A
–01	(5.84) .230
–02	(2.54) .100
–03	(3.18) .125
–51	(4.83) .190
–52	(5.21) .205
–53	(7.24) .285
–54	(8.51) .335
–55	(9.91) .390
–56	(10.29) .405
–57	(10.92) .430



OPTION

–"XX"
= Polarized

–A
= Alignment Pin (5 positions min. for –D) (Metal or plastic at Samtec discretion) (Not available with -LC)

–LC
= Locking Clip (6 positions min. for –D) (Not available with -A) (Manual placement required)

–P
= Plastic Pick & Place Pad (5 positions min. for –D) (8 positions min. for –S)

–TR
= Tape & Reel (4 positions min. for –S)

–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks) (4 positions min. for –S)

RSM – 1 – NO. PINS PER ROW – 02 – PLATING OPTION – ROW OPTION – OPTION

NO. PINS PER ROW: 02 thru 36

PLATING OPTION

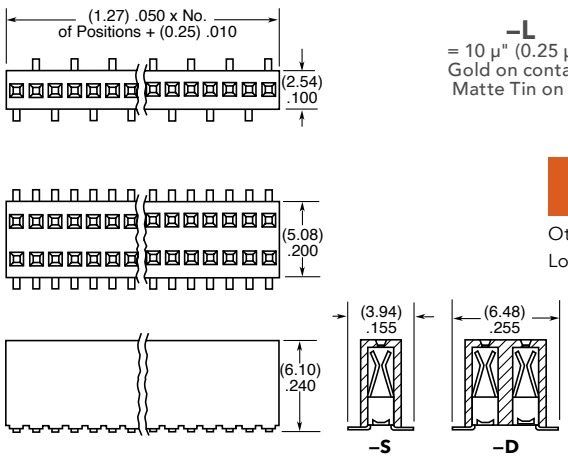
–F
= Gold flash on contact, Matte Tin on tail

–L
= 10 µ" (0.25 µm) Gold on contact, Matte Tin on tail

ROW OPTION

–S
= Single Row

–D
= Double Row



ALSO AVAILABLE
Contact Samtec

Other platings
Locking clips

OPTION

–K
= (6.25 mm) .246" DIA Polyimide film Pick & Place Pad (5 positions minimum for –D) (7 positions minimum for –S)

–P
= Plastic Pick & Place Pad (5 positions minimum for –D) (6 positions minimum for –S)

–TR
= Tape & Reel

–FR
= Full Reel Tape & Reel (must order max. quantity per reel; contact Samtec for quantity breaks)

Unless otherwise approved in writing by Samtec, all parts and components are designed and built according to Samtec's specifications which are subject to change without notice.