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:

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 =

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)

PER ROW

02 thru 40

STYLE

Specify LEAD **STYLE** from chart

OPTION

PLATING

= Gold flash on contact, Matte Tin on tail

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

OPTION

-S = Single Row

-D = Double Row

LEAD STYLE	Α
-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

OPTION

-"XX" = Polarized

-A

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

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

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

-TR

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

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

OPTION

-K (6.25 mm) .246" DIA

Polyimide film Pick & Place Pad (5 positions minimum for –D)

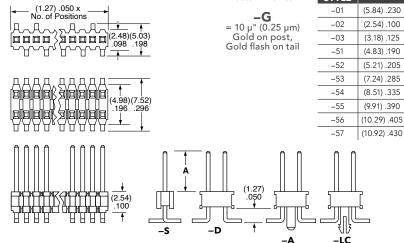
(7 positions minimum for –S)

-P

= Plastic Pick & Place Pad (5 positions

minimum for -D)

(6 positions minimum for –S)



PROCESSING

Lead-Free Solderable:

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)* *C.004" stencil solution may be available; contact ipg@samtec.com)

RSM

(1.27) .050 x No.

of Positions + (0.25) .010

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02 thru 36

PLATING OPTION

= Gold flash

on contact,

Matte Tin on tail

ROW OPTION

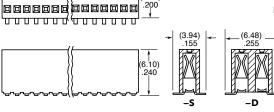
-S = Single Row

-D = Double Row

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

ALSO AVAILABLE

Other platings Locking clips



-TR

= Tape & Reel

-FR

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

Some lengths, styles and options are non-standard, non-returnable