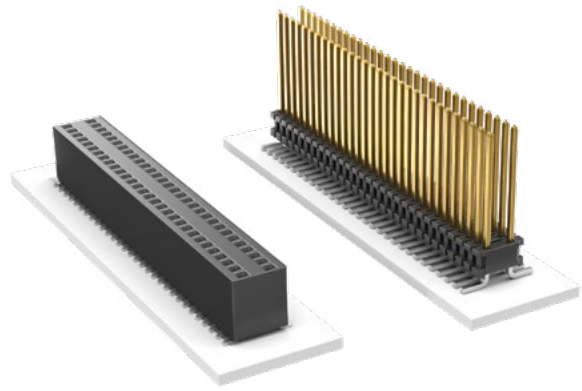


SMT MICRO HEADER & SOCKET

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



FTR
Mates:
RSM, SMS, SLM

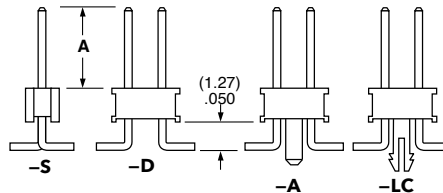
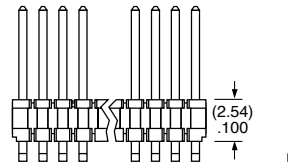
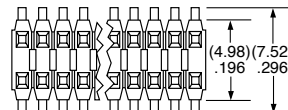
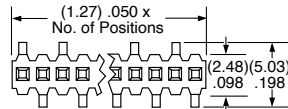
RSM
Mates:
FTR, HTMS, HDWM,
DWM, TML, ZML, TMS

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 μ m) 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
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)

FTR	1	NO. PINS PER ROW	LEAD STYLE	PLATING OPTION	ROW OPTION	OPTION
		02 thru 40	Specify LEAD STYLE from chart	-L = 10 μ " (0.25 μ m) Gold on post, Matte Tin on tail -G = 10 μ " (0.25 μ m) Gold on post, Gold flash on tail	-S = Single Row -D = Double Row	-"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)

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

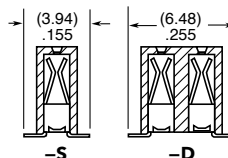
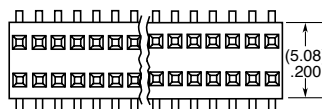
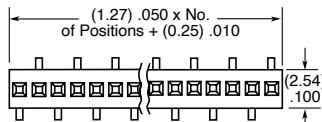


PROCESSING

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)

RSM	1	NO. PINS PER ROW	02	PLATING OPTION	ROW OPTION	OPTION
		02 thru 36		-L = 10 μ " (0.25 μ m) Gold on contact, Matte Tin on tail	-S = Single Row -D = Double Row	-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)

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



ALSO AVAILABLE
MOQ Required

Other platings
Locking clips

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

Mouser Electronics

Authorized Distributor

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

[Samtec:](#)

[RSM-120-02-L-D](#) [RSM-125-02-S-D-P](#) [RSM-118-02-S-S](#) [RSM-130-02-S-D](#) [RSM-107-02-S-S](#) [RSM-108-02-S-D](#)
[RSM-103-02-L-D](#) [RSM-106-02-L-S](#) [RSM-103-02-F-S](#) [RSM-112-02-S-S](#) [RSM-109-02-S-S](#) [RSM-110-02-L-D-TR](#) [RSM-](#)
[120-02-S-D](#) [RSM-115-02-L-S](#) [RSM-107-02-L-D](#) [RSM-109-02-T-S](#) [RSM-115-02-L-D](#) [RSM-125-02-S-D](#) [RSM-110-02-](#)
[L-S](#) [RSM-105-02-L-D](#) [RSM-104-02-S-D](#) [RSM-132-02-L-D](#) [RSM-130-02-L-D](#) [RSM-114-02-L-D](#) [RSM-102-02-S-S](#)
[RSM-106-02-S-S](#) [RSM-120-02-L-D-P](#) [RSM-108-02-L-S](#) [RSM-110-02-L-D-K](#) [RSM-106-02-T-S](#) [RSM-107-02-L-S](#)
[RSM-108-02-L-D-K-TR](#) [RSM-132-02-L-S](#) [RSM-104-02-L-S](#) [RSM-120-02-L-S](#) [RSM-114-02-S-D-K](#) [RSM-103-02-S-D](#)
[RSM-106-02-S-D-K](#) [RSM-110-02-L-D](#) [RSM-121-02-L-D](#) [RSM-105-02-L-S](#) [RSM-102-02-L-D](#) [RSM-115-02-S-D](#) [RSM-](#)
[111-02-L-D-K](#) [RSM-127-02-L-D](#) [RSM-110-02-S-D](#) [RSM-112-02-L-D](#) [RSM-104-02-T-S](#) [RSM-102-02-L-S](#) [RSM-111-](#)
[02-L-D](#) [RSM-105-02-S-D](#) [RSM-108-02-L-D](#) [RSM-107-02-S-D](#) [RSM-108-02-S-S-P](#) [RSM-116-02-L-S](#) [RSM-103-02-L-S](#)
[RSM-107-02-T-S](#) [RSM-120-02-L-D-K](#) [RSM-105-02-L-D-K](#) [RSM-106-02-L-S-P](#) [RSM-106-02-L-D](#) [RSM-125-02-L-D](#)
[RSM-113-02-L-D](#) [RSM-105-02-S-S](#) [RSM-104-02-L-D](#) [RSM-110-02-L-D-P](#) [RSM-106-02-L-S-P-TR](#) [RSM-105-02-L-D-](#)
[K-TR](#) [RSM-110-02-S-D-LC](#) [RSM-108-02-S-S](#) [RSM-112-02-L-S](#) [RSM-107-02-T-S-K-TR](#) [RSM-110-02-L-D-LC](#) [RSM-](#)
[103-02-S-S](#) [RSM-108-02-T-D-K](#) [RSM-112-02-T-S-P](#) [RSM-115-02-L-S-P](#) [RSM-130-02-S-D-LC-P](#) [RSM-113-02-S-D-LC](#)
[RSM-120-02-L-D-LC](#) [RSM-125-02-S-D-TR](#) [RSM-130-02-L-D-K](#) [RSM-130-02-T-S](#) [RSM-136-02-T-D](#) [RSM-122-02-L-](#)
[D](#) [RSM-116-02-S-D-P](#) [RSM-130-02-T-D](#) [RSM-108-02-S-D-TR](#) [RSM-115-02-L-D-K](#) [RSM-135-02-L-D](#) [RSM-125-02-L-](#)
[D-P](#) [RSM-114-02-L-S](#) [RSM-140-02-L-D](#) [RSM-120-02-L-D-TR](#) [RSM-124-02-L-D](#) [RSM-126-02-S-S](#) [RSM-133-02-S-D](#)
[RSM-120-02-L-S-K](#) [RSM-124-02-T-S](#) [RSM-125-02-L-D-LC](#)