

RUGGED, BLIND MATE MODULES & CONTACTS

MODULAR, CONFIGURABLE SOLUTIONS

Samtec offers a flexible blind-mate module solution for RF and optical that is ideal for rugged applications. Choose from numerous options to create a customized module that meets the needs of your application. These pages highlight a few of the many options available; contact the RFGroup@samtec.com for more options or information.

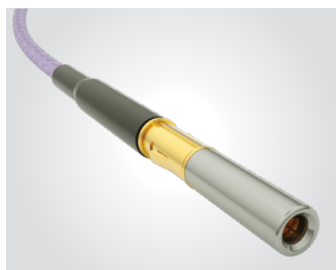
STEPS FOR BUILDING A SOLUTION



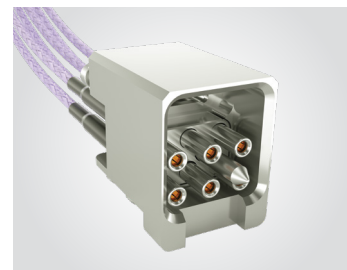
1. Choose Block



2. Choose Contact



3. Choose Cable Option
(RF/Optical)



4. Finished Solution

BLOCK OPTIONS

VBM

GENDER

APERTURE FILL

CARD THICKNESS



-M
= Male
(For GPCC-P pin option only)

-F
= Female
(For GPCC-S socket option only)

-A
= 6x Size 20, 1x MT Ferrule

-01
= (1.60 mm) .062" thick card

-B
= 2x MT Ferrule

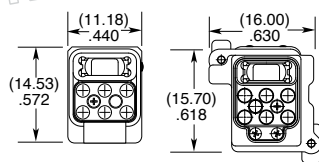
-02
= (2.36 mm) .093" thick card

-C
= 6x Size 16, 1x MT Ferrule

-D
= 8x Size 16

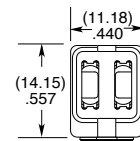
-E
= 10x Size 20

PRELIMINARY

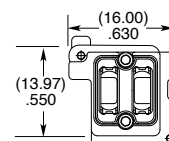


-A FEMALE

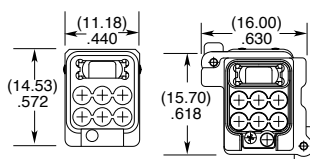
-A MALE



-B FEMALE

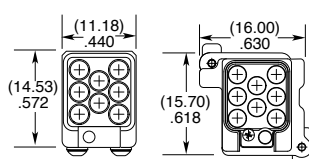


-B MALE



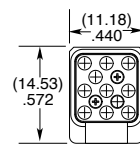
-C FEMALE

-C MALE

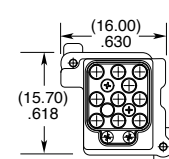


-D FEMALE

-D MALE



-E FEMALE




-E MALE

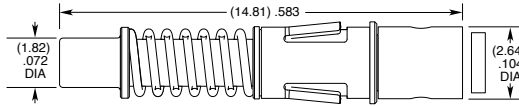
View complete specifications at: samtec.com?VBM

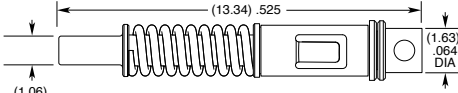
CONTACT OPTIONS

| GPCC | SIZE | SERIES | GENDER | TYPE | PLATING | CABLE CALLOUT | ORIENTATION | OPTION |
|------|-------------------------|-----------------------------|---|----------------------|--|---|-------------------------------|--|
| | -16 = Size 16 | -N = Size 16 only | -P = Pin (For VBM-M block only) | -C = Cable | GG = 10 μ" (0.25 μm) Gold center contact, 10 μ" (0.25 μm) Gold outer body | -086F = CCA-086F-PTFE, 75 Ω (Size 16, pin only) | -SD = Direct Solder | -1 -2 (Socket, Size 20 only) |
| | -20 = Size 20 | -V = Size 20 only | -S = Socket (For VBM-F block only) | | | -047J = CCA-047J-PTFE, 75 Ω (Size 16, socket only) | | |
| | | | | | | -047A = CCA-047-PFA, 50 Ω (Size 20 only) | | |

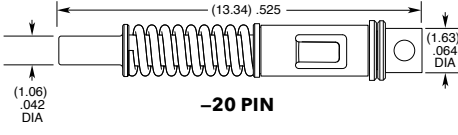


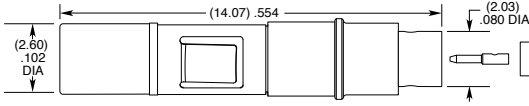
-16 PIN



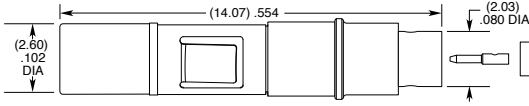


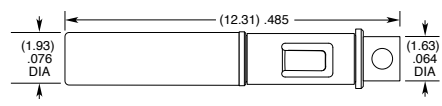
-20 PIN



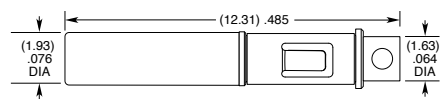


-16 SOCKET





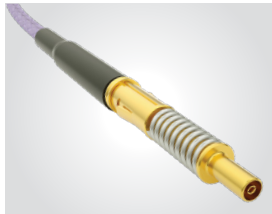
-20 SOCKET



CABLE ASSEMBLY OPTIONS

View complete specifications at: samtec.com?GPCC-16 or samtec.com?GPCC-20

| RF047-A | END 1 CONNECTOR | END 2 CONNECTOR | OVERALL LENGTH |
|---------|--------------------------------------|----------------------------------|---|
| | -MTSJ = Threaded SMPM Jack | -M0SJ = SMPM Jack | -"XXXX" = Overall Length in millimeters |
| | | -20VP = Size 20 Pin | = 0100 (100 mm) 3.94" minimum |
| | | -20VS = Size 20 Socket | |



ALSO AVAILABLE

1.00 mm, 1.35 mm, 1.85 mm, 2.40 mm, 2.92 mm, SMA

OPTICAL OPTIONS

View complete specifications at: samtec.com?RF047-A

Samtec's rugged mid-board optical transceivers are available with industry standard MT ferrule end options: FireFly™, FireHawk™ and Halo®. Contact RFGroup@samtec.com for assistance with this solution.

