

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.

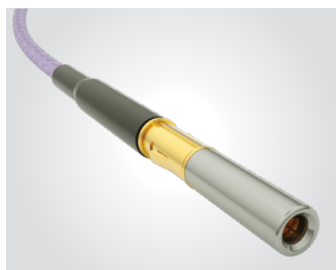
STEPS FOR BUILDING A SOLUTION



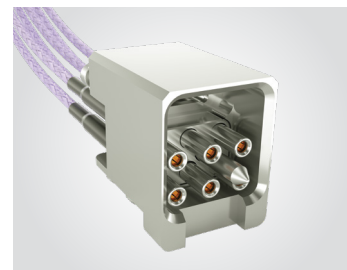
1. Choose Block



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

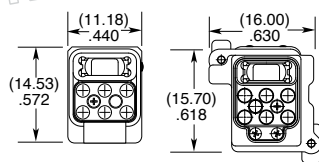
-02
= (2.36 mm) .093" thick card

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

-D
= 8x Size 16

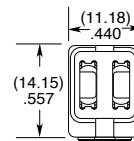
-E
= 10x Size 20

PRELIMINARY

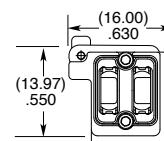


-A FEMALE

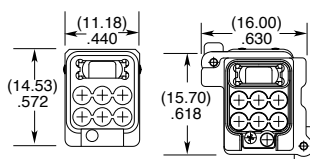
-A MALE



-B FEMALE

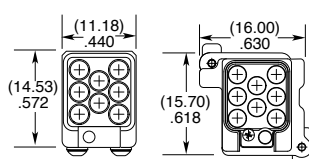


-B MALE



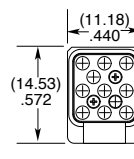
-C FEMALE

-C MALE

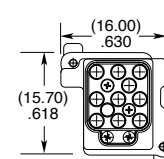


-D FEMALE

-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.

