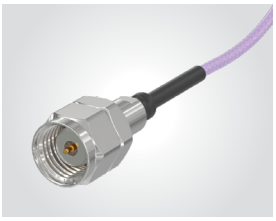
1.85 mm TO 67 GHz

1.85 mm Cable Assemblies
RF047-A, RF086



SERIES	END 1 CONNECTOR	END 2 CONNECTOR	OVERALL LENGTH
RF047-A = (1.2 mm) .047" overshield DIA 29 AWG millimeter wave cable **RF086** = (2.18 mm) .086" overshield DIA 23 AWG millimeter wave cable	**–18SJ** = 1.85 mm Straight Jack **–18SP** = 1.85 mm Straight Plug		**–"XXXX"** = Overall Length in millimeters –0100 (100 mm) 3.94" minimum

ALSO AVAILABLE

1.00 mm, 1.35 mm, 2.40 mm, 2.92 mm, SMPM, SMP, SMP3, SMA = RF047-A

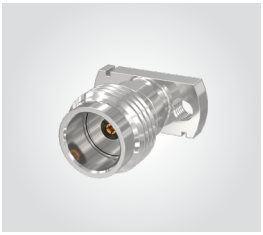
2.40 mm, 2.92 mm, SMPM, SMP, SMA = RF086

VSWR

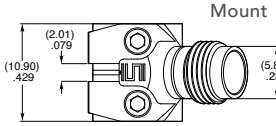
RF047-A: 1.40 max.
RF086: 1.40 max.

1.85 mm Board Connectors
185

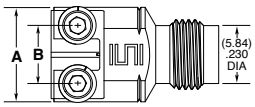
Cable Mates:
RF047-A, RF086
LL071



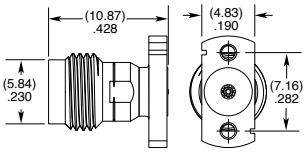
185	GENDER	TYPE	PLATING	ORIENTATION	TERMINATION	OPTION	PACKAGING
	–J = Jack	**–P** = PCB Mount	**–EP** = 50 µ" (1.27 µm) Gold center contact, Passivated outer contact (not available for –AL. Specify –EG plating for –AL)	**–ST** = Straight	**–CM** = Compression Mount Stripline **–CMM** = Compression Mount Microstrip **–EL** = Edge Launch **–ELW** = Edge Launch Wide **–AL** = 30° Angled Launch (specify –EG for plating)	**–1** =Without Screws (–CM & –CMM only) **–2** = With Screws (–CM & –CMM only) **–01** = .040" to .100" PCB thickness (–EL & –ELW only)	Leave blank for individually bagged. **–B** = Bulk packaged



–AL



–EL & –ELW



–CM

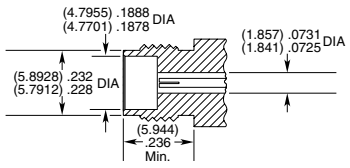
TERMINATION	A	B
–EL	(9.52) .375	(5.84) .230
–ELW	(12.70) .500	(9.53) .375

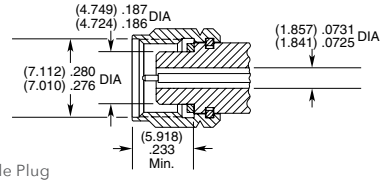
1.85 mm Cable Connectors
PRF18

CONNECTORS FOR INDUSTRY STANDARD CABLES	
PRF18-J-C-EP-085-BS	Harbour SS405
PRF18-P-C-EP-085-SS	Harbour SS405
PRF18-P C-EE-085-SD	Harbour SS405
PRF18-J-C-EP-086-SS	Temp-Flex 1001935086
PRF18-J-C-EP-047A-SS	Temp-Flex 1000671047
PRF18-P-C-EP-047A-SS	Temp-Flex 1000671047
PRF18-J-C-EP-047D-SS	.047 Semi-Rigid
PRF18-P-C-EP-047D-SS	.047 Semi-Rigid
PRF18-P-C-EE-047D-SD	.047 Semi-Rigid
PRF18-P-C-EE-047H-SD	EZ-47-LA Semi-Rigid
PRF18-P-C-EP-070-SD	EZ-70-LA Semi-Rigid
PRF18-J-C-EE-405-SD	RG 405 Semi-Rigid
PRF18-P-C-EE-405-SD	RG 405 Semi-Rigid
PRF18-P-C-EP-086E-SS	Dynawave DF165

For a complete list of 1.85 mm cable connectors, visit www.samtec.com?PRF18

INTERFACE STANDARD





P-C = Cable Plug
J-C = Cable Jack
EE = Plating (50 µ" gold center contact, & outer contact)
EP = Plating (50 µ" gold center contact, passivated outer contact)
SS = Straight, Solder Clamp
SD = Straight, Direct Solder
BS = Bulkhead, Solder Clamp

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.