

Adam Technologies, Inc.

SMALL FORM FACTOR PLUGGABLE CONNECTOR & CAGE

SFFP & SFPG SERIES

INTRODUCTION:

Adam Tech Small Form Factor connectors and cages are a popular interface for telecommunications and data communications applications. Our 20 position surface mount connector interfaces to both fiber optic and copper networking modules. Our cages are manufactured in single port and multiport configurations. All of our cages are available in both press fit and through hole mounting.

FEATURES:

Industry standard compatibility
Alignment posts on SMT connector allow for PC board stability
Standoffs allow for easy board cleaning
Single, stacked or ganged cages
Cages have multiple ground points for EMI shielding

SPECIFICATIONS:

Material:

SMT Connector:
Insulator: High temperature thermoplastic
Contacts: Phosphor Bronze
Plating: Gold over nickel underplate
Cage: Nickel plated copper alloy

Electrical:

SMT Connector:
Operating voltage: 100VAC max
Current rating: 1 Amp max
Contact resistance: 40 ohms max
Insulation resistance: 1000 Mohms min
Dielectric withstanding voltage: 500 VAC for 1 minute

Temperature rating:

Operating temperature: -40°C to +85°C
Soldering temperature: 260°C for 5 seconds

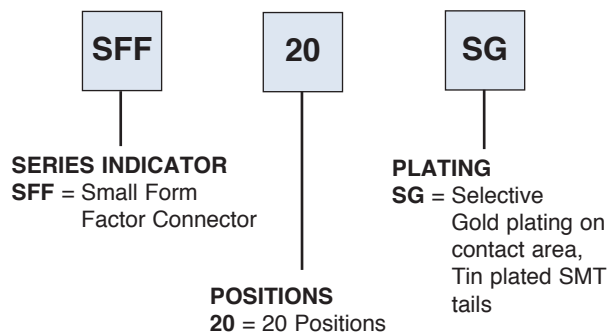
APPROVALS AND CERTIFICATIONS:

UL Recognized & CSA Certified, File no. E224053

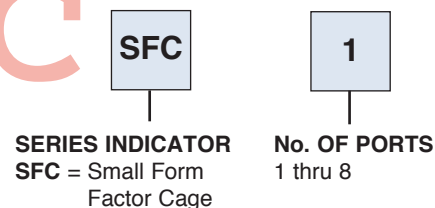


ORDERING INFORMATION

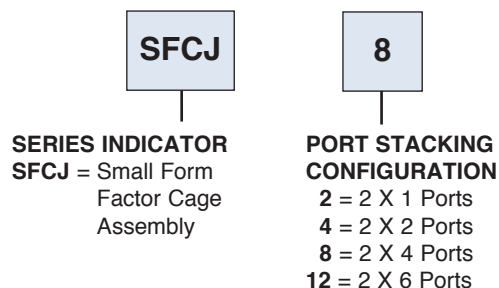
SMALL FORM FACTOR CONNECTOR



SMALL FORM FACTOR SINGLE ROW CAGE



SMALL FORM FACTOR STACKED ASSEMBLY



OPTIONS:

Add designator(s) to end of part number

LP = External light pipe (SFC series only)

LP1 = Inner light pipe (SFCJ series only)

LP2 = Outer light pipe (SFCJ series only)

LP3 = Inner & outer light pipes (SFCJ series only)

EMI = Additional EMI clip

SFF CONNECTOR:

SFF-20-SG

Top view dimensions: .433 [11.00] (width), .361 [9.17] (pitch), .031 [0.80] (pin width).
Side view dimensions: .370 [9.40] (height), .208 [5.30] (pin height), .378 [9.60] (total width).
Isometric view dimensions: .134 [3.40] (pin length), .157 [4.00] (body length).

SFC CAGE

SFC-1

Top view dimensions: 1.921 [48.80] (width), .571 [14.50] (height).
Side view dimensions: .370 [9.40] (height), .378 [9.60] (pitch), .561 [14.25] (total width).
Bottom view dimensions: .453 [11.50] (pitch), .197 [5.00] TYP. (pin width), .126 [3.20] (pin length).

SFC-4

Top view dimensions: A (width), B (height).
Side view dimensions: .372 [9.45] (height), .561 [14.25] (pitch).

SFC-2

Top view dimensions: 1.921 [48.80] (width), .453 [11.50] (pitch), .197 [5.00] (pin width).

PART NO.	PORTS	A	B
SFC-2	2	1.132 [28.75]	1.122 [28.50]
SFC-4	4	2.254 [57.25]	2.244 [57.00]
SFC-6	6	3.376 [85.75]	3.366 [85.50]
SFC-8	8	4.498 [114.25]	4.488 [114.00]

SFCJ CONNECTOR WITH CAGE (STACKED)

Top view dimensions: A (width), B (height), .561 [14.25] (pitch).
Side view dimensions: 1.00 [25.50] (height), .452 [11.50] (pitch), .315 [8.00] (pin width).
Note: SHOWN WITH OPTIONAL LIGHT PIPE (L3)

SFCJ-2

Top view dimensions: 2.490 [63.25] (width), 1.00 [25.50] (height), .452 [11.50] (pitch), .315 [8.00] (pin width).

PORTS	A	B
2 X 1	.571 [14.50]	.561 [14.25]
2 X 2	1.132 [28.75]	1.122 [28.50]
2 X 4	2.254 [57.25]	2.244 [57.00]
2 X 6	3.376 [85.75]	3.366 [85.50]

	2 X 1	2 X 2	2 X 4	2 X 6
PART NO.;	SFCJ-2	SFCJ-4	SFCJ-8	SFCJ-12