

# JSFC15 Receptacle /JSF16 Plug Connectors

## How to Order

- Approved for use in JSF/F35 applications
- Based on Amphenol® Composite Tri-Start, Qualified to MIL-DTL-38999, Rev. J.
- Increased Corrosion Resistance-nickel plating (200°C) both withstand 2000 hours of salt spray exposure.
- Durability-1500 couplings minimum (in reference to connector couplings, not termini)
- Termini Protection-recessed pins in this 100% scoop-proof connector minimize potential termini damage
- Vibration/Shock-operates under severe high temperature vibration
- Threaded coupling quickly and completely mates in one 360° turn of the coupling nut



JSFC15 Receptacle and JSFC16 Fiber Optic Plug

38999

III
HD
Dualok
II
I
SJT
Accessories
Aquacon
Herm/Seal
PCB

<b>HIGH SPEED</b>
<b>Fiber Optics</b>
Contacts
Connectors
Cables

EMI Filter  
Transient

26482  
Matrix 2

83723 III  
Matrix | Pyle

26500  
Pyle

5015  
Crimp Rear Release Matrix

22992  
Class 1

Back-Shell's

Options  
Others

### MECHANICAL/ENVIRONMENTAL

PARAMETER	PERFORMANCE
Maintenance Aging	MIL-STD-1344 Method 2002
Mating Durability	500 mating cycles
Insert Retention	100 PSI/25 lbs minimum
Sine Vibration	60 G (140-2000 Hz), 4 hours each at ambient, -55 deg C, and +175 deg C
Standard Shock	300 G half-sine, 3 ms duration
High Impact Shock	MIL-S-901 grade A with lightweight fixture
Temperature Life	1000 hours @ high temp rating
Thermal Shock	-55° C to +165° C - 5 cycles



### Easy Steps to build a part number... JSFC15 & JSFC16

1. Program Part Number	2. Shell Styles	3. Service Class	4. Shell Size – Insert arrangement	5. Contact Type	6. Alternate Positions
<b>JSFC15</b>	<b>20</b>	<b>M</b>	<b>E – 8</b>	<b>A</b>	<b>N</b>
<b>JSFC16</b>	<b>26</b>	<b>M</b>	<b>E – 8</b>	<b>B</b>	<b>N</b>

#### Step 1. Select a Connector Type

	Designates
<b>JSFC15</b>	Receptacle circular fiber optic
<b>JSFC16</b>	Plug circular fiber optic

#### Step 2. Select a Shell Style

	Designates
<b>20</b>	JSFC15 Wall Mount Receptacle
<b>26</b>	JSFC16 Straight Plug

#### Step 3. Select a Service Class

	Designates
<b>M</b>	Composite, electroless nickel plate

#### Step 4. Select a Shell Size – Insert Arrangement

Shell Sizes are MIL-DTL-38999, Series III, plus newer High Density Insert Arrangements

Shell Size	Insert Arrangement
<b>B – (11)</b>	<b>2</b>
<b>C – (13)</b>	<b>4</b>
<b>D – (15)</b>	<b>5</b>
<b>E – (17)</b>	<b>8</b>

Shell Size	Insert Arrangement
<b>F – (19)</b>	<b>11</b>
<b>G – (21)</b>	<b>16</b>
<b>H – (23)</b>	<b>21</b>
<b>J – (25)</b>	<b>29</b>
<b>J – (25)</b>	<b>37</b>

#### Step 5. Select a Contact Type

	Designates
<b>A</b>	Pin contacts
<b>B</b>	Socket contacts

#### Step 6. Select an Alternate Position

A, B, C, D, E, N for normal