

# MOLEX SFP+, SFP and QSFP Connectors



## SFP+ (SMALL FORM-FACTOR PLUGGABLE PLUS) CONNECTORS

SFP+ supports next generation speeds of standard SFP applications.

### Features and Benefits:

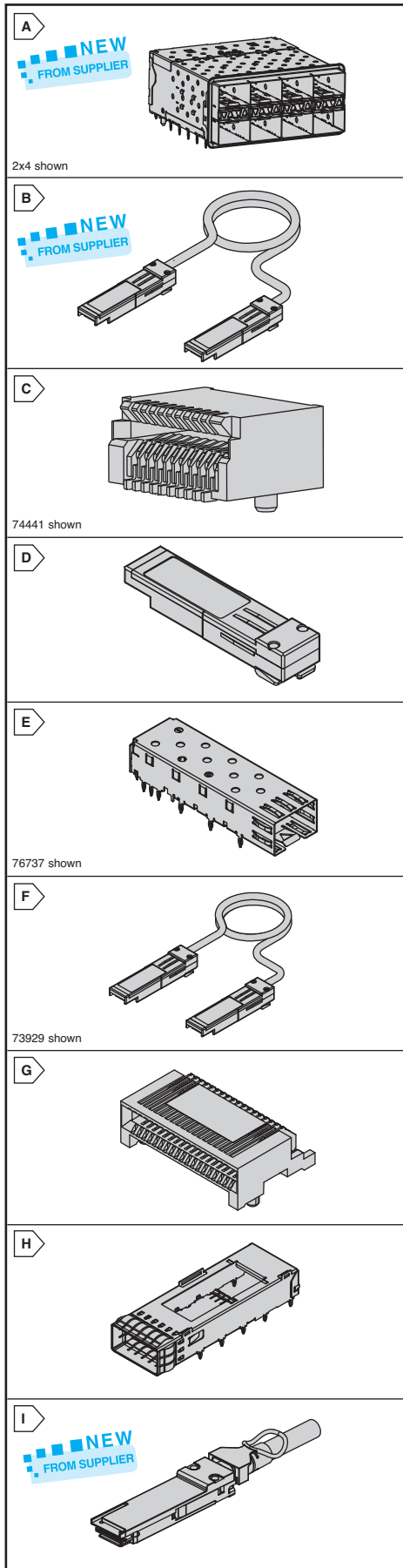
- Stacked Multi-Port Connectors (76044,76046,76090,76092):
  - Capable of handling 10 Gbps data rates
  - Elastomeric or metal gasket options for EMI requirements
  - Integrated lightpipes
  - Press-fit termination
  - Stacked cages available in 2-16 ports (see Mouser Sales Rep for more info)

- Passive Cable Assembly (74752):
  - Copper cable can handle speeds up to 10 Gbps
  - Re-designed pull latch enables belly-to-belly cable use
  - Improved backshell design conforms to SFP-8431 spec
  - Backwards compatible with standard SFP

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Tail Plating	Price Each		
					1	5	10
<b>SFP+ Stacked Multi-Port Connectors</b>							
538-76090-0001	76090-0001	A	2x1 w/ lightpipes, elastomeric gasket	Tin-Lead	22.24	21.57	18.65
538-76090-5001	76090-5001	A	2x1 w/ lightpipes, elastomeric gasket	Tin	23.21	21.59	20.63
538-76091-0001	76091-0001	A	2x2 w/ lightpipes, elastomeric gasket	Tin-Lead	46.43	43.19	41.27
538-76091-5001	76091-5001	A	2x2 w/ lightpipes, elastomeric gasket	Tin	46.43	43.19	41.27
538-76092-0001	76092-0001	A	2x4 w/ lightpipes, elastomeric gasket	Tin-Lead	88.25	83.83	79.63
538-76092-5001	76092-5001	A	2x4 w/ lightpipes, elastomeric gasket	Tin	92.81	86.34	82.50
538-76093-0001	76093-0001	A	2x5 w/ lightpipes, elastomeric gasket	Tin-Lead	116.03	107.93	103.14
538-76093-5001	76093-5001	A	2x5 w/ lightpipes, elastomeric gasket	Tin	116.03	107.93	103.14
538-76094-0001	76094-0001	A	2x6 w/ lightpipes, elastomeric gasket	Tin-Lead	139.24	129.53	123.77
538-76094-5001	76094-5001	A	2x6 w/ lightpipes, elastomeric gasket	Tin	139.24	129.53	123.77
538-76044-0001	76044-0001	A	2x1 w/ lightpipes, metal gasket	Tin-Lead	22.11	21.44	20.24
538-76046-0001	76046-0001	A	2x4 w/ lightpipes, metal gasket	Tin-Lead	88.25	83.83	79.63
<b>SFP+ Passive Cable Assemblies</b>							
538-74752-1101	74752-1101	B	1 meter, copper cable, 30awg	-	67.97	64.80	60.42
538-74752-2301	74752-2301	B	3 meter, copper cable, 28awg	-	98.19	93.28	88.61
538-74752-1301	74752-1301	B	3 meter, copper cable, 30awg	-	93.62	93.57	83.21
538-74752-4501	74752-4501	B	5 meter, copper cable, 24awg	-	125.07	125.02	111.17
538-74752-9004	74752-9004	B	10 meter, copper cable, 24awg	-	193.48	183.80	174.63
<b>SFP+ Adapters</b>							
538-74765-0904	74765-0904	-	Loopback adapter, 5.0db	-	85.42	83.65	81.74
538-74765-0906	74765-0906	-	Loopback adapter, 0.0db	-	85.42	83.65	81.74



## SFP (SMALL FORM-FACTOR PLUGGABLE) CONNECTORS

From single port cages and connectors to full integrated multi-port products with lightpipes, Molex offers a full range of solutions for the high port density SFP Applications.

### Features and Benefits:

- Data rates up to 2.5Gbps
- All metal cage provides EMI protection
- User friendly latch design
- Copper cable assemblies in various lengths
- Single, ganged, or stacked cages
- Industry standard HSSDC2 interface

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each		
				1	5	10
<b>Receptacles</b>						
538-74441-0001	74441-0001	C	SFP SMT recept, Right Angle, 20 pos, 15µ" Au	2.80	2.69	2.56
538-74441-0010	74441-0010	C	SFP SMT recept, Right Angle, 20 pos, 30µ" Au	4.75	3.85	2.65
538-74703-0007	74703-0007	C	HSSDC2 recept, R/A, 7 pos, InfiniBand keyed	14.99	13.28	10.62
538-74703-0107	74703-0107	C	HSSDC2 recept, R/A, 7 pos, fiber channel keyed	14.95	13.28	10.62
<b>Plugs</b>						
538-74720-0510	74720-0510	D	SFP EMI plug	8.92	8.15	7.45
538-75951-0999	75951-0999	D	SFP dust plug	.62	.55	.50
<b>Cages</b>						
538-74737-0009	74737-0009	E	1 piece cage, press-fit tails	3.10	2.90	2.61
538-74737-0010	74737-0010	E	1 piece cage, solder post tails	2.32	2.12	2.06
538-74737-0016	74737-0016	E	1 piece cage, press-fit tails, for PCI applications	2.32	2.12	2.06
538-73927-0402	73927-0402	E	1x4 ganged cage, solder post tails	14.09	13.15	12.39
538-75462-0001	75462-0001	E	Stacked 2x1 cage w/ connector, press-fit tails	16.28	15.76	15.19
538-75640-0001	75640-0001	E	Stacked 2x1 cage w/ conn, lite pipes, press-fit tails	18.87	17.53	15.59
538-75450-0001	75450-0001	E	Stacked 2x4 cage w/ conn, lite pipes, press-fit tails	66.97	60.27	52.36
<b>Cable Assemblies and Adapters</b>						
538-73929-0001	73929-0001	F	SFP plug to plug, passive, 1 meter, 26AWG	79.96	74.64	60.42
538-73929-0002	73929-0002	F	SFP plug to plug, passive, 3 meter, 26AWG	108.60	101.35	95.56
538-73929-0003	73929-0003	F	SFP plug to plug, passive, 5 meter, 26AWG	121.30	113.21	106.74
538-73939-1001	73939-1001	F	HSSDC2 plug to plug, fiber channel, 0.5 meter	35.37	31.13	26.72
538-73939-1002	73939-1002	F	HSSDC2 plug to plug, fiber channel, 1 meter	33.95	29.70	25.46
538-73939-1004	73939-1004	F	HSSDC2 plug to plug, fiber channel, 3 meter	52.21	45.68	39.15
538-74720-0501	74720-0501	-	SFP Loopback adapter, 35.0dB attenuation	62.66	50.78	49.48
538-74720-0503	74720-0503	-	SFP Loopback adapter, 5.0dB attenuation	62.66	50.78	49.48
538-74720-0502	74720-0502	-	SFP Loopback adapter, 0.0dB attenuation	40.93	37.42	34.21

## QSFP (QUAD SMALL FORM FACTOR PLUGGABLE) CONNECTORS

The QSFP connector, cage, cable assemblies and loopbacks are part of a highly-integrated system that combines optimal real estate, power and port density.

The QSFP Multi Source Agreement (MSA) document specifies a transceiver mechanical form factor with latching mechanism, host-board electrical edge connector and cage. The hot-pluggable transceiver integrates 4 transmit and 4 receive channels. Molex's QSFP transceiver can replace up to 4 standard SFP transceivers. The result is greater port density and overall system cost savings over traditional SFP products.

### Features and Benefits:

- EMI shielding to bezel and transceiver
- Data rates up to 5 Gbps per lane
- One piece press-fit cage
- SMT connector design
- Hot pluggable transceiver
- Zinc die-cast back shells on cable plug

RoHS Compliant

For quantities of 25 and up, call for quote.

MOUSER STOCK NO.	Molex Part No.	Fig.	Description	Price Each		
				1	5	10
<b>QSFP Host Receptacle</b>						
538-75586-0011	75586-0011	G	0.80mm, 38P, R/A, SMT, 30µ" Au	5.91	5.40	4.94
<b>QSFP Cage</b>						
538-74750-0021	74750-0021	H	Single port, EMI shield, press-fit, spring fingers	14.82	14.08	13.38
<b>QSFP Passive Cable Assemblies</b>						
538-74757-2101	74757-2101	I	1 meter, 28 awg	96.92	93.76	89.03
538-74757-3101	74757-3101	I	1 meter, 26 awg	96.92	93.76	89.03
538-74757-2301	74757-2301	I	3 meter, 28 awg	135.92	123.28	117.42
<b>QSFP Adapters</b>						
538-74763-0010	74763-0010	-	Loopback adapter, 0.0dB	88.90	82.70	79.02
538-74763-0015	74763-0015	-	Loopback adapter, 5.0dB	88.90	82.70	79.02
538-74763-0020	74763-0020	-	Loopback adapter, 0.0dB, 12C, 100 ohms	104.95	97.63	93.29
538-74763-0025	74763-0025	-	Loopback adapter, 5.0dB, 12C, 100 ohms	104.95	97.63	93.29

