

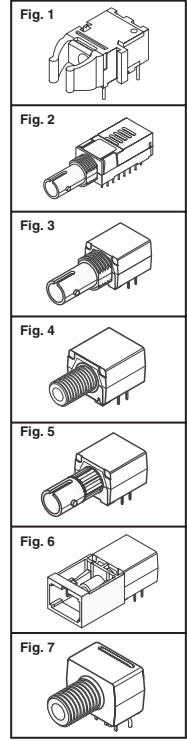


Transmitters and Receivers



A

Fig.	Description	Connector Type	Wave-length (nm)	Oper. Temp. (°C)	Supply Voltage (V)	Digi-Key Part No.	1	10	100	Avago Part No.
1	Transmitter, 125MBd Versatile Link	Versatile	650	-40-70	2.1	516-1746-ND	16.46	15.90	12.50	HFBR-1527Z
	Receiver, 125MBd Versatile Link	Versatile	650	0-70	6.0	516-1747-ND	21.48	20.74	16.30	HFBR-2526Z
	Transmitter, 5MBd High Performance Link, Horizontal Package	Versatile	660	-40-85	1.67	516-2043-ND	13.33	12.35	9.39	HFBR-1521Z
	Receiver, 5MBd High Performance Link, Horizontal Package	Versatile	660	-40-85	7.0	516-2062-ND	13.33	12.35	9.39	HFBR-2521Z
	Transmitter, 1MBd High Performance Link, Horizontal Package	Versatile	660	-40-85	1.67	516-2044-ND	13.33	12.35	9.39	HFBR-1522Z
	Receiver, 1MBd High Performance Link, Horizontal Package	Versatile	660	-40-85	7.0	516-2063-ND	13.33	12.35	9.39	HFBR-2522Z
	Transmitter, 40Kbd Low Current/Extended Distance Link, Horizontal Package	Versatile	660	-40-85	1.67	516-2045-ND	13.33	12.35	9.39	HFBR-1523Z
	Receiver, 40Kbd Low Current/Extended Distance Link, Horizontal Package	Versatile	660	-40-85	7.0	516-2064-ND	13.33	12.35	9.39	HFBR-2523Z
	Transmitter, 1MBd Standard Link, Horizontal Package	Versatile	660	-40-85	1.67	516-2046-ND	13.33	12.35	9.39	HFBR-1524Z
	Receiver, 1MBd Standard Link, Horizontal Package	Versatile	660	-40-85	7.0	516-2065-ND	13.33	12.35	9.39	HFBR-2524Z
	Transmitter, 10MBd High Performance Link, Horizontal Package	Versatile	660	-40-85	1.67	516-2047-ND	14.20	13.35	9.94	HFBR-1528Z
	Receiver, 10MBd High Performance Link, Horizontal Package	Versatile	660	-40-85	7.0	516-2066-ND	22.22	20.89	15.56	HFBR-2528Z
	Transmitter, 5MBd High Performance Link, Vertical Package	Versatile	660	-40-85	1.67	516-2048-ND	14.81	13.93	10.37	HFBR-1531Z
	Receiver, 5MBd High Performance Link, Vertical Package	Versatile	660	-40-85	7.0	516-2067-ND	14.81	13.93	10.37	HFBR-2531Z
2	Transmitter, 1MBd High Performance Link, Vertical Package	Versatile	660	-40-85	1.67	516-2049-ND	14.81	13.93	10.37	HFBR-1532Z
	Receiver, 1MBd High Performance Link, Vertical Package	Versatile	660	-40-85	7.0	516-2068-ND	14.81	13.93	10.37	HFBR-2532Z
	Transmitter, 40Kbd Low Current/Extended Distance Link, Vertical Package	Versatile	660	-40-85	1.67	516-2050-ND	14.81	13.93	10.37	HFBR-1533Z
	Receiver, 40Kbd Low Current/Extended Distance Link, Vertical Package	Versatile	660	-40-85	7.0	516-2069-ND	14.81	13.93	10.37	HFBR-2533Z
	Transmitter, Data Link for 266MBd	ST	1300	0-70	5.5	516-2031-ND	82.09	73.45	59.41	HFBR-1191TZ
	Receiver, Data Link for 266MBd	ST	1300	0-70	5.5	516-2051-ND	82.09	73.45	59.41	HFBR-2119TZ
	Transmitter, Low Cost Fiber Optic Link	ST	1300	-40-85	1.4	516-2032-ND	56.11	53.31	39.28	HFBR-1312TZ
	Receiver, Low Cost Fiber Optic Link	ST	1300	-40-85	6.0	516-2052-ND	56.11	53.31	39.28	HFBR-2316TZ
	Transmitter, Low Cost, Miniature, Standard Power, Threaded Metal	ST	820	-40-85	1.7	516-2035-ND	24.13	22.68	16.89	HFBR-1412TMZ
	Receiver, Low Cost, Miniature, Standard Power, Threaded	ST	820	-40-85	7.0	516-2054-ND	24.13	22.68	16.89	HFBR-2412TCZ
	Transmitter, Low Cost, Miniature, Standard Power, Threaded	ST	820	-40-85	1.7	516-2036-ND	24.13	22.68	16.89	HFBR-1412TZ
	Receiver, Low Cost, Miniature, Standard Power, Threaded	ST	820	-40-85	7.0	516-2055-ND	24.13	22.68	16.89	HFBR-2412TZ
	Transmitter, Low Cost, Miniature, High Power, Threaded	ST	820	-40-85	1.7	516-2039-ND	24.13	22.68	16.89	HFBR-1414TZ
	Receiver, Low Cost, Miniature, High Power, Threaded	ST	820	-40-85	7.0	516-2057-ND	24.13	22.68	16.89	HFBR-2416TCZ
3	Transmitter, Low Cost, Miniature, Standard Power, Threaded	ST	820	-40-85	7.0	516-2058-ND	24.13	22.68	16.89	HFBR-2416TZ
	Receiver, Low Cost, Miniature, Standard Power, Threaded	ST	820	-40-85	1.7	516-2033-ND	24.13	22.68	16.89	HFBR-1402Z
	Transmitter, Low Cost, Miniature, Standard Power, Threaded	SMA	820	-40-85	7.0	516-2053-ND	24.13	22.68	16.89	HFBR-2402Z
	Receiver, Low Cost, Miniature, Standard Power, Threaded	SMA	820	-40-85	1.7	516-2034-ND	24.13	22.68	16.89	HFBR-1404Z
	Transmitter for SERCOS with Open-Collector Output	SMA	820	-40-85	7.0	516-2070-ND	21.04	19.78	14.73	HFBR-2602Z
	Receiver, Low Cost, Miniature, Standard Power	ST	820	-40-85	1.7	516-2037-ND	24.13	22.68	16.89	HFBR-1412Z
	Transmitter, Low Cost, Miniature, Standard Power, T.T.L. Output	ST	820	-40-85	7.0	516-2056-ND	24.13	22.68	16.89	HFBR-2412Z
	Receiver, Low Cost, Miniature, Standard Power, T.T.L. Output	ST	820	-40-85	1.7	516-2040-ND	24.13	22.68	16.89	HFBR-1414Z
	Transmitter, Low Cost, Miniature, High Power, Metal	ST	820	-40-85	1.7	516-2038-ND	24.13	22.68	16.89	HFBR-1414MZ
	Receiver, Low Cost, Miniature, High Power, Metal	ST	820	-40-85	7.0	516-2059-ND	24.13	22.68	16.89	HFBR-2416Z
	Transmitter, Low Cost, Miniature, High Power	SC	820	-40-85	1.7	516-2041-ND	26.54	24.95	18.58	HFBR-14E4Z
	Receiver, Low Cost, Miniature, High Power	SC	820	-40-85	7.0	516-2060-ND	24.13	22.68	16.89	HFBR-24E6Z
	Transmitter for SERCOS Applications	SMA	650	-40-85	2.1	516-2042-ND	18.52	17.41	12.97	HFBR-1505AZ
	Receiver for SERCOS Applications	SMA	650	-40-85	5.5	516-2061-ND	22.22	20.89	15.56	HFBR-2505AZ



Fiber Optic Connectors, Cable, Accessories, and Kits

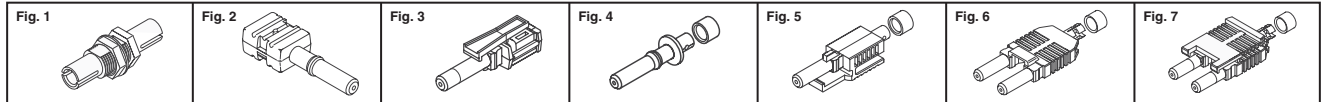


Fig.	Description	Digi-Key Part No.	1	10	100	Avago Part No.
Connectors — RoHS Compliant						
1	Bulkhead Adapter, Gray	516-1748-ND	2.02	1.72	1.47	HFBR-4505Z
	Bulkhead Adapter, Blue	516-1891-ND	1.90	1.65	1.27	HFBR-4515
	Bulkhead Adapter, Blue	516-2076-ND	1.90	1.65	1.27	HFBR-4515Z
2	Crimplless Connector, Black	516-1749-ND	1.17	1.00	.85	HFBR-4531Z
	Crimplless Connector, Blue	516-2080-ND	1.10	.95	.73	HFBR-4533Z
	Crimplless Connector, Gray	516-2081-ND	1.10	.95	.73	HFBR-4535Z
3	Crimplless Latching Connector, Black	516-2079-ND	1.10	.95	.73	HFBR-4532Z
	Simplex Connector, Gray	516-1889-ND	1.31	1.13	.87	HFBR-4501
4	Simplex Connector, Gray	516-2071-ND	1.27	1.10	.85	HFBR-4501Z
	Simplex Connector, Blue	516-2074-ND	1.27	1.10	.85	HFBR-4511Z
	Simplex Latching Connector, Gray	516-2072-ND	1.10	.95	.73	HFBR-4503Z
5	Simplex Latching Connector, Blue	516-2075-ND	1.10	.95	.73	HFBR-4513Z
	Duplex Connector	516-2073-ND	1.83	1.72	1.38	HFBR-4506Z
7	Duplex Latching Connector, Gray	516-2077-ND	1.83	1.72	1.38	HFBR-4516Z
Cable — RoHS Compliant						
1	1m Simplex Cable for Latching Connectors	516-2088-ND	7.67	7.04	5.38	HFBR-RLS001Z
	1m Simplex Cable for Standard Connectors	516-2090-ND	7.67	7.04	5.38	HFBR-RMS001Z
	5m Simplex Cable for Standard Connectors	516-2091-ND	12.71	11.77	8.95	HFBR-RMS005Z
	5m Duplex Cable for Standard Connectors	516-2089-ND	23.54	22.13	16.48	HFBR-RMD005Z
	10m Simplex Cable for Standard Connectors	516-2092-ND	18.50	17.39	12.95	HFBR-RMS010Z
	100m Simplex Cable, Unconnected	516-2095-ND	102.17	91.42	73.94	HFBR-RUS100Z
—	100m Simplex, Unconn., Ext. Low Loss POF	516-2086-ND	119.02	107.55	96.80	HFBR-RUS100Z
	100m Duplex Cable, Unconnected	516-2093-ND	178.53	161.32	145.19	HFBR-RUD100Z
	500m Simplex Cable, Unconnected	516-2096-ND	389.86	369.70	349.53	HFBR-RUS500Z

Fig.	Description	Digi-Key Part No.	1	10	100	Avago Part No.
—	500m Simplex, Unconn., Ext. Low Loss POF	516-2087-ND	483.96	466.04	448.11	HFBR-EUS500Z
	500m Duplex Cable, Unconnected	516-2094-ND	725.94	699.06	672.17	HFBR-RUD500Z
Accessories — RoHS Compliant						
—	1000 Simplex Crimp Rings	516-2078-ND	137.85	124.56	112.11	HFBR-4525Z
	Polishing Kit	516-2082-ND	5.93	5.44	4.15	HFBR-4593Z
	Plastic Fiber Crimping Tool	516-2083-ND	319.15	302.65	286.14	HFBR-4597Z
NEW! Kits NEW!						
—	Evaluation Kit, TXRX 650NM FE	516-2135-ND	454.47	—	—	AFBR-0978Z
	Evaluation Kit, Fiber Optic 155MBD	516-2136-ND	170.85	—	—	HFBR-0310
	Evaluation Kit, Fiber Optic 266MBD	516-2137-ND	187.12	—	—	HFBR-0319
	Evaluation Kit, Fiber Optic 5MBD	516-2138-ND	66.77	—	—	HFBR-0410
	Evaluation Kit, Fiber Optic 125-160MBD	516-2140-ND	190.37	—	—	HFBR-0416
	Evaluation Kit, Fiber Optic 5MBD	516-2141-ND	36.47	—	—	HFBR-0501
	Evaluation Kit, Fiber Optic 125MBD	516-2142-ND	211.53	—	—	HFBR-0527H
	Evaluation Kit, Fiber Optic 125MBD	516-2143-ND	211.53	—	—	HFBR-0527P
	Evaluation Kit, Fiber Optic 10MBD	516-2144-ND	74.31	—	—	HFBR-0528
	Evaluation Kit, Fiber Optic 32MBD	516-2145-ND	126.68	—	—	HFBR-0536
	Evaluation Kit, Fiber Optic 32MBD	516-2146-ND	126.68	—	—	HFBR-0537
	Evaluation Kit, Fiber Optic Interbus	516-2147-ND	74.40	—	—	HFBR-0538
	Evaluation Kit, Fiber Optic Profibus	516-2148-ND	74.40	—	—	HFBR-0539
	Evaluation Kit, Fiber Optic SerCOS	516-2149-ND	74.40	—	—	HFBR-0540
Evaluation Kit, Fiber Optic SerCOS 16MBD	516-2150-ND	107.73	—	—	HFBR-0541	

◆ RoHS Compliant

Transceivers

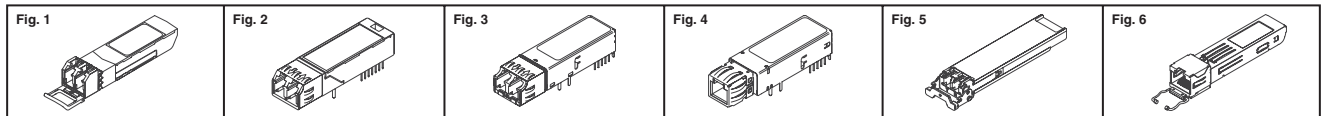


Fig.	Description	Connector Type	Wave-length (nm)	Operating Temperature (°C)	Link Distance (m)	Digi-Key Part No.	1	10	100	Avago Part No.
1	Optical Transceiver with DMI, SFP, 2/1/1 GbD	LC	850	-10-85	300, 500, 550	516-1713-ND	65.93	63.29	50.11	AFBR-57M5APZ
	Optical Transceiver with DMI, SFP, 4/2/1 GbD	LC	850	-10-85	150, 300, 500	516-1987-ND	61.16	58.10	42.82	AFBR-57R5APZ
	Optical Transceiver without DMI, SFP, 1.25 GbD	LC	850	-10-85	550	516-1986-ND	52.74	50.11	36.92	AFBR-5710PZ
2	Optical Transceiver with DMI, SFF, 4/2/1 GbD	LC	850	-10-85	150, 300, 500	516-1995-ND	52.74	50.11	36.92	AFBR-59R5LZ
3	SFF Optical Transceiver for Gigabit Ethernet and iSCSI	LC	850	0-70	275, 550	516-2084-ND	84.22	75.36	60.95	HFBR-5911LZ
4	SFF Optical Transceiver for Gigabit Ethernet and VCSEL	MT-RJ	850	0-70	220, 275, 500, 550	516-2085-ND	102.34	91.57	74.07	HFBR-5912EZ

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