FIT Fiber Optic Products Guide

QSFP28 (optical)

- Compliant to 100GbE 802.3bm electrical specs for all optical variants
- SR4 (eSR4) to support 100m (300m) OM4 MMF link
- PSM4 to support 500m SMF link distance
- CWDM4 to support 2Km link distance
- Also available for 128G Fibre Channel applications
- Compliant to QSFP28 MSA
- Wide case temperature range (0-70°C)
- Digital diagnostics monitoring
- Two wire serial management interface

CFP2 (optical; shortwave)
CFP4 (optical; longwave)

Datacom and telecom applications using 100 Gigabit Ethernet

CFP2 SR10 & LR4

- Compliant to 100G standards
- Multimode fiber link to 300m
- Singlemode fiber link to 10km
- Support OTN interconnects
- Wide operating temperature range
- MDIO management interface

CFP4 LR4

- Compliant to Ethernet 100GBASE-LR4
- Singlemode fiber link to 10km
- Support OTN interconnects

CXP Transceivers

High bandwidth Data Center interconnects for switching, routing; High Performance Computing

- Up to 150G aggregate bandwidth with 12 duplex lanes x12.5G
- Compliant to 100GBASE SR10; 12x SDR, DDR, QDR InfiniBand; Compatible to 12xPCIeGen3
- 1E-15 BER performance capable
- 0-70°C case temperature
- Up to 300m link distance
- Full digital monitoring feature set including Tx equalization, Rx de-emphasis, and Rx output swing control

QSFP+ (optical)

Datacom applications for 4x10GE/40GbE/4x14G, and for QDR InfiniBand applications

- SR4 to support 4xQDR/40GE aggregate application up to 150m OM4 MMF link distance
- iSR4 to support 4x10GE/40GE up to 150m OM4 MMF link distance
- eSR4 to support 4x10GE/40GE up to 400m OM4 MMF link distance
- Bi-Directional (BiDi) to support 2x20GE up to 150m link distance over LC Duplex OM4 MMF
- SW4 to support 4x14G up to 100m OM4 MMF link distance
- LR4/LR4-Lite to support 40GE aggregate application up to 10km/2km SMF link distance
- Digital diagnostics monitoring
- Two wire serial management interface

SFP & SFP+ (optical and copper; longwave and shortwave)

Datacom applications using 1/10/25 Gigabit Ethernet and 32G/16G/8G/4G/2G/1G Fibre Channel

Telecom applications using OC-3/STM-1, OC-12/STM-4 and OC-48/STM-16 across all reaches

Base Station applications using 1.22G through 9.8G CPRI

- 3.3 V operating voltage
- Short- and long-reach applications
- Digital diagnostics
- Available 1G SFP Copper with RJ-45
- Available in commercial, extended and industrial operating temperature

Avago also offers the following products:

1x9 (longwave and shortwave)

- Datacom applications using GbE and 1G FC and OC-3/STM-1

SFF (longwave and shortwave)

- SFF datacom applications using GbE, 4G/2G/1G FC

XFP (shortwave)

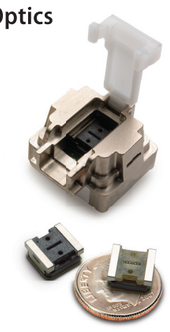
- Datacom applications using 10 GbE

Parallel Optics Interconnects

High performance computing and communications applications needing high density optical interconnects

MicroPOD™ and MiniPOD™ Embedded Optics

- Up to 14 Gb/s per channel, 12 channels
- Separate Tx and Rx modules for maximum board layout flexibility
- 168 Gb/s aggregate bandwidth
- 125mW per channel
- Inside-box design eliminates EMI/RFI shielding
- Up to 400m link distance at 10G per channel
- Full digital monitoring capability per channel including programmable Tx equalization and Rx de-emphasis
- 0-70°C case temperature

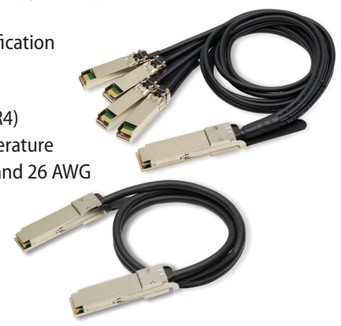


Connectors and Cages

- Supports data rates up to 100 Gb/s with 28 Gb/s per channel
- -40ºC to 85ºC Operating Case Temperature
- Compliant to QSFP+ and SFP+ MSA
- Enhanced EMI protection and high levels of heat dissipation
- Exhibits superior signal integrity along with mechanical and electrical performance

Direct Attach Copper

- Supports data rates up to 100 Gb/s with 25 Gb/s per channel
- Compliant to SFF-8665 specification plus InfiniBand EDR
- 40G Ethernet (40GBASE-CR4)
- 100G Ethernet (100GBASE-CR4)
- 0-80ºC Operating Case Temperature
- Wire Gauge Options: 30, 28, and 26 AWG
- RoHS Compliant



Optical Receive Subassembly

FIT is providing the component for the 100G coherent application

- PM-QPSK receivers for coherent transmission inn line card and pluggable form factors

CXP Active Optical Cables

High bandwidth Data Center interconnects for switching, routing; High Performance Computing

- Up to 150G aggregate bandwidth with 12 duplex lanes x12.5G
- Compliant to 100GBASE SR10; 12x SDR, DDR, QDR InfiniBand; Compatible to 12xPCIeGen3
- 1E-15 BER performance capable
- 0-70°C case temperature
- Cable lengths up to 100m
- Full digital monitoring feature set including Tx equalization, Rx de-emphasis, and Rx output swing control

QSFP+/QSFP28 Active Optical Cables

Data Center Networking; Networked storage systems; High performance computing; Proprietary high speed optical links

- QSFP+ AOC for 40GbE and InfiniBand SDR, DDR, & QDR applications
- QSFP+/4xSFP+ Octopus AOC for high density 10GbE application
- QSFP28 AOC for 100GbE and InfiniBand EDR applications
- QSFP28/4xSFP28 Octopus AOC for high density 25GbE application
- 0-70°C case temperature
- Cable lengths up to 20m

SFP+/SFP28 Active Optical Cables

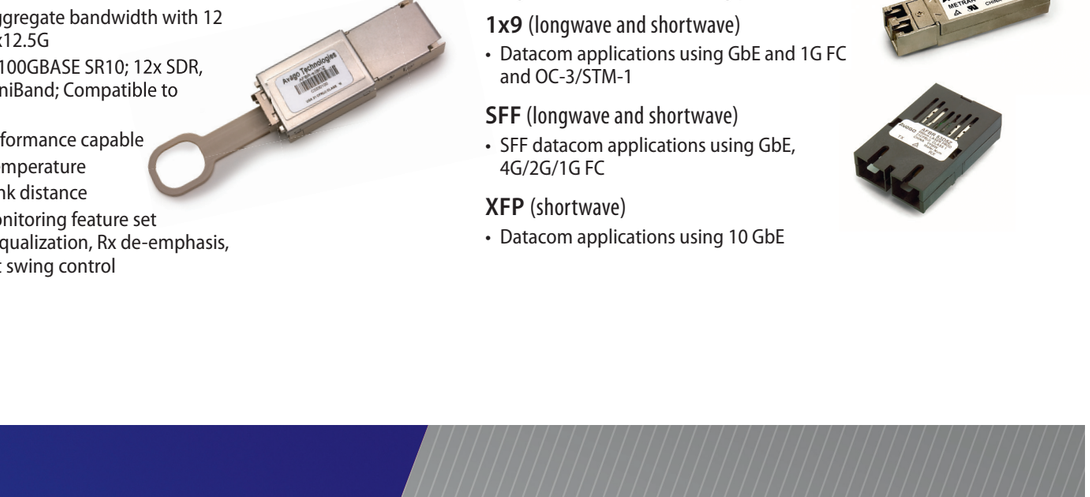
Data Center Networking; Networked storage systems; High performance computing

- SFP+ AOC for 10GbE, 8G FC, and FCoE application
- SFP28 AOC for 25GbE application
- 0-70°C case temperature
- Cable lengths up to 20m

Future Products in Development

Contact Broadcom sales office for all products in development

Product Guide



Fiber Optic Products Guide

Enterprise, High Speed Interconnect and Storage Applications

A leading supplier of Ethernet, Fibre Channel and proprietary interconnect fiber optic transceivers

Foxconn Interconnect Technology Limited focuses on the development, manufacturing and marketing of electronic and optoelectronic transceivers, connectors, antennas, acoustic components, cables and modules for applications in computers, communication equipment, consumer electronics, automobiles, industrial and green energy field products. With offices and manufacturing sites located in Asia, the Americas and Europe, FIT is a global leader in the manufacturing of high precision interconnect components.

FIT has strong market positions across a broad portfolio with highly differentiated products that include:

- Pluggable optical transceivers
- Embedded optical modules
- Cages & connectors
- Direct attach copper cables
- Active optical cables

For product information and a complete list of distributors, please visit our website:

www.fit-foxconn.com

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AV00-0246EN 03/07/16

FIT Fiber Optic Products Guide

		Part Number	Package	Protocol Support	Fiber Type	Data Rate (Maximum)	Reach	1 Gb/s Ethernet (1000Base-T)	1 Gb/s Ethernet	10 Gb/s Ethernet	25 Gb/s Ethernet	40 Gb/s Ethernet	100 Gb/s Ethernet	1 Gb/s Fibre Channel	2 Gb/ s Fibre Channel	4 Gb/s Fibre Channel	8 Gb/s Fibre Channel	16 Gb/s Fibre Channel	32 Gb/s Fibre Channel	InfiniBand SDR	InfiniBand DDR	InfiniBand QDR	Proprietary	10 Gb/s Fibre Channel	2.5 / 3Gb/s Base Station	9.8 / 6.1Gb/s Base Station	SONET OC-3	SONET OC-12	SONET OC-48	RoHS	Operating Wavelength	Transmitter	Receiver	Voltage Supply (V)	Case Temperature Range	Optical Connector	Media Type	Digital Monitoring Interface
Ethernet	1 GbE	ABCU-573xxRZ	SFP	Ethernet	Copper	1 Gb/s	100m	●																						Yes	N/A	N/A	N/A	3.3V	0 to 70°C/-40 to 85°C	RJ-45	Pluggable	
		ABCU-574xxRZ	SFP	Ethernet	Copper	1 Gb/s	100m	●																						Yes	N/A	N/A	N/A	3.3V	0 to 70°C/-40 to 85°C	RJ-45	Pluggable	
		AFBR-53D5xZ	Duplex	Ethernet	Multi-mode	1 Gb/s	550m		●																					Yes	850nm	VCSEL	PIN	5V	0 to 70°C	SC	1x9	
		AFBR-5710xxZ	SFP	Ethernet	Multi-mode	1 Gb/s	550m		●																					Yes	850nm	VCSEL	PIN	3.3V	Various	LC	Pluggable	
		AFBR-5715xxZ	SFP	Ethernet	Multi-mode	1 Gb/s	550m		●																					Yes	850nm	VCSEL	PIN	3.3V	Various	LC	Pluggable	Yes
		AFBR-57M5APZ	SFP	Ethernet / Fibre Channel	Multi-mode	2.125 Gb/s	550m		●					●	●															Yes	850nm	VCSEL	PIN	3.3V	-10 to 85°C	LC	Pluggable	Yes
		AFCT-5710xxZ	SFP	Ethernet	Single-mode	1 Gb/s	10km		●																					Yes	1310nm	FP Laser	PIN	3.3V	Various	LC	Pluggable	
		AFCT-5715xxZ	SFP	Ethernet	Single-mode	1 Gb/s	10km		●																					Yes	1310nm	FP Laser	PIN	3.3V	Various	LC	Pluggable	Yes
		HFBR-53A5VxMZ	Duplex	Ethernet	Multi-mode	1 Gb/s	550m		●																					Yes	850nm	VCSEL	PIN	3.3V	0 to 70°C	SC	1x9	
		HFBR-5911LZ	SFF	Ethernet	Multi-mode	1 Gb/s	550m		●																					Yes	850nm	VCSEL	PIN	3.3V	0 to 70°C	LC	2x5	
		HFBR-5912EZ	SFF	Ethernet	Multi-mode	1 Gb/s	550m		●																					Yes	850nm	VCSEL	PIN	3.3V	0 to 70°C	MTRJ	2x5	
		HFBR-59L1ALZ	SFF	Ethernet	Multi-mode	1 Gb/s	550m		●																					Yes	850nm	VCSEL	PIN	3.3V	-10 to 85°C	LC	2x5	
	10 GbE	AFBR-709DMZ	SFP+	Ethernet / FCoE	Multi-mode	10/1 Gb/s	300m OM3/400m OM4		●	●																				Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	LC	Pluggable	Yes
		AFBR-709xSMZ	SFP+	Ethernet / FCoE	Multi-mode	10 Gb/s	300m OM3/400m OM4			●																				Yes	850nm	VCSEL	PIN	3.3 V	Various	LC	Pluggable	Yes
		AFCT-739DMZ	SFP+	Ethernet / FCoE	Single-mode	10/1 Gb/s	10km		●	●																				Yes	1310nm	DFB Laser	PIN	3.3 V	0 to 70°C	LC	Pluggable	Yes
		AFCT-739xSMZ	SFP+	Ethernet / FCoE	Single-mode	10 Gb/s	10km			●																				Yes	1310nm	DFB Laser	PIN	3.3V	Various	LC	Pluggable	Yes
		AFBR-720XPDZ	XFP	Ethernet	Multi-mode	10 Gb/s	300m			●																				Yes	850nm	VCSEL	PIN	3.3V	0 to 70°C	LC	Pluggable-XFP	Yes
		AFBR-2CARxxZ	SFP+ AOC	Ethernet	Multi-mode	10 Gb/s	up to 20m			●							▲			▲	▲	▲		▲						Yes	850nm	VCSEL	PIN	3.3V	0 to 70°C	N/A	Pluggable	Yes
	25 GbE	AFBR-725SMZ*	SFP28	Ethernet	Multi-mode	25 Gb/s	70m OM3/100m OM4				●																			Yes	850nm	VCSEL	PIN	3.3V	0 to 70°C	LC	Pluggable	Yes
		AFBR-8CERxxZ*	SFP28 AOC	Ethernet	Multi-mode	25 Gb/s	up to 20m				●																			Yes	850nm	VCSEL	PIN	3.3V	0 to 70°C	N/A	Pluggable	Yes
	40 GbE	AFBR-79E3PZ	QSFP+	Ethernet	Multi-mode	40 Gb/s & 4 x 10 Gb/s	300m OM3/400m OM4			▲		●										●	●							Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	MPO	Pluggable	Yes
		AFBR-79EEPZ	QSFP+	Ethernet	Multi-mode	40 Gb/s & 4 x 10 Gb/s	300m OM3/400m OM4			●		●										●								Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	MPO	Pluggable	Yes
		AFBR-79EIxZ	QSFP+	Ethernet	Multi-mode	40 Gb/s & 4 x 10 Gb/s	100m OM3/150m OM4			●		●										●								Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	MPO	Pluggable	Yes
		AFBR-79EBPZ	QSFP+	Ethernet	Multi-mode	40 Gb/s	100m OM3/150m OM4					●																		Yes	850/900nm	VCSEL	PIN	3.3 V	10 to 70°C	LC (Duplex)	Pluggable	No
		AFBR-79EQxZ	QSFP+	Ethernet	Multi-mode	40 Gb/s	100m OM3/150m OM4					●										●								Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	MPO	Pluggable	Yes
		AFBR-7IERxxZ	QSFP+ octopus AOC	Ethernet	Multi-mode	4 x 10 Gb/s	up to 20m			●		●								▲	▲	▲								Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	N/A	Pluggable	No
		AFBR-7QERxxZ	QSFP+ AOC	Ethernet	Multi-mode	40 Gb/s	up to 20m					●								▲	▲	▲								Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	N/A	Pluggable	No
		AFCT-88EEPZ	QSFP+	Ethernet	Single-mode	40 Gb/s	10km					●																		Yes	CWDM	DFB Laser	PIN	3.3 V	0 to 70°C	LC	Pluggable	Yes
		AFCT-88EIPZ	QSFP+	Ethernet	Single-mode	40 Gb/s	2km					▲																		Yes	CWDM	DFB Laser	PIN	3.3 V	0 to 70°C	LC	Pluggable	Yes
	100 GbE	AFBR-8422IDZ	CFP2 10x10	Ethernet	Multi-mode	10 ch @10 Gb/s	100m OM3/150m OM4						●																	Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	MPO	Pluggable	Yes
		AFBR-8422EDZ	CFP2 10x10	Ethernet	Multi-mode	10 ch @10 Gb/s	300m OM3/400m OM4						●																	Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	MPO	Pluggable	Yes
		AFCT-8420Z*	CFP2	Ethernet	Single-mode	100 Gb/s	10km						●																	Yes	LanWDM	EML Laser	PIN	3.3 V	0 to 70°C	LC	Pluggable	Yes
		AFCT-8422Z*	CFP2	Ethernet / OTN	Single-mode	100 Gb/s	10km						●																	Yes	LanWDM	EML Laser	PIN	3.3 V	0 to 70°C	LC	Pluggable	Yes
		AFBR-89CDDZ	QSFP28	Ethernet	Multi-mode	100 Gb/s & 4 x 25 Gb/s	70m OM3/100m OM4						●																	Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	MPO	Pluggable	Yes
		AFBR-89CEDZ*	QSFP28	Ethernet	Multi-mode	100 Gb/s & 4 x 25 Gb/s	200m OM3/300m OM4						●																	Yes	850nm	VCSEL	PIN	3.3V	0 to 70°C	MPO	Pluggable	Yes
		AFCT-89PDDZ*	QSFP28	Ethernet	Single-mode	100 Gb/s & 4 x 25 Gb/s	500m SMF						●																	Yes	1310nm	DFB Laser	PIN	3.3V	0 to 70°C	MPO	Pluggable	Yes
		AFCT-89WDDZ*	QSFP28	Ethernet	Single-mode	100 Gb/s	2km SMF						●																	Yes	CWDM	DFB Laser	PIN	3.3V	0 to 70°C	LC	Pluggable	Yes
		AFBR-8IERxxZ	QSFP28 octopus AOC	Ethernet	Multi-mode	4 x 25 Gb/s	up to 20m				●		●																	Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	N/A	Pluggable	No
		AFBR-8QERxxZ	QSFP28 AOC	Ethernet	Multi-mode	100 Gb/s	up to 20m						●																	Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	N/A	Pluggable	No
		AFCT-8450Z	CFP4	Ethernet	Single-mode	100 Gb/s	10km						●																	Yes	LanWDM	EML Laser	PIN	3.3 V	0 to 70°C	LC	Pluggable	Yes
		AFCT-8452Z	CFP4	Ethernet / OTN	Single-mode	100 Gb/s	10km						●																	Yes	LanWDM	EML Laser	PIN	3.3V	0 to 70°C	LC	Pluggable	Yes
		AFBR-83EDZ	CXP TXCR	Ethernet	Multi-mode	10 ch @10 Gb/s	100m OM3/150m OM4						●																	Yes	850nm	VCSEL	PIN	3.3V/2.5V	0 to 70°C	MPO	Pluggable	Yes
		AFBR-83EDxxZ	CXP AOC	Ethernet	Multi-mode	10 ch @10 Gb/s	up to 100m						●										●							Yes	850nm	VCSEL	PIN	3.3V/2.5V	0 to 70°C	N/A	Pluggable	Yes
		AFBR-811vxyZ	MiniPOD™	Ethernet	Multi-mode	12 ch @10 Gb/s	100m OM3/150m OM4						●									●	●							Yes	850nm	VCSEL	N/A	3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-821vxyZ	MiniPOD™	Ethernet	Multi-mode	12 ch @10 Gb/s	100m OM3/150m OM4						●									●	●							Yes	850nm	N/A	PIN	3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-811vx3Z	MiniPOD™	Ethernet	Multi-mode	12 ch @10 Gb/s	300m OM3/450m OM4						●									●	●							Yes	850nm	VCSEL	N/A	3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-821vx3Z	MiniPOD™	Ethernet	Multi-mode	12 ch @10 Gb/s	300m OM3/450m OM4						●									●	●							Yes	850nm	N/A	PIN	3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-77D1SZ	MicroPOD™	Ethernet	Multi-mode	12 ch @10 Gb/s	100m OM3/150m OM4						●									●	●							Yes	850nm	VCSEL	N/A	3.3V/2.5V	0 to 70°C	PRIZM™	µLGA	Yes
		AFBR-78D1SZ	MicroPOD™	Ethernet	Multi-mode	12 ch @10 Gb/s	100m OM3/150m OM4						●									●	●							Yes	850nm	N/A	PIN	3.3V/2.5V	0 to 70°C	PRIZM™	µLGA	Yes
Storage	Fibre Channel	AFBR-57M5APZ	SFP	Fibre Channel	Multi-mode	2.125 / 1.06 Gb/s	300m at 2.125 GBd		●					●	●															Yes	850nm	VCSEL	PIN	3.3V	-10 to 85°C	LC	Pluggable	Yes
		AFBR-57R5AxZ	SFP	Fibre Channel	Multi-mode	4.25 / 2.125 / 1.06 Gb/s	150m at 4.25 GBd		▲					●	●	●														Yes	850nm	VCSEL	PIN	3.3V	-10 to 85°C	LC	Pluggable	Yes
		AFBR-57R6AxZ	SFP	Fibre Channel	Multi-mode	4.25 / 2.125 / 1.06 Gb/s	150m at 4.25 GBd		●					●	●	●														Yes	850nm	VCSEL	PIN	3.3V	-10 to 85°C	LC	Pluggable	Yes
		AFBR-5921ALZ	SFF	Fibre Channel	Multi-mode	2.125 / 1.06 Gb/s	300m at 2.125 Gb/s		●					●	●															Yes	850nm	VCSEL	PIN	3.3V	-10 to 85°C	LC	2x5	
		AFBR-59M5LZ	SFF	Fibre Channel	Multi-mode	2.125 / 1.06 Gb/s	300m at 2.125 Gb/s		●					●	●															Yes	850nm	VCSEL	PIN	3.3V	-10 to 70°C	LC	2x6	
		AFBR-59R5xLZ	SFF	Fibre Channel	Multi-mode	4.25 / 2.125 / 1.06 Gb/s	150m at 4.25 GBd		▲					●	●	●														Yes	850nm	VCSEL	PIN	3.3V	Various	LC	2x7	
		AFBR-57D9AMZ	SFP+	Fibre Channel	Multi-mode	8.5 / 4.25 / 2.125 Gb/s	150m at 8.5 GBd							▲	●	●	●													Yes	850nm	VCSEL	PIN	3.3V	-10 to 85°C	LC	Pluggable	Yes
		AFBR-57F5xxZ	SFP+	Fibre Channel	Multi-mode	14.025 / 8.5 / 4.25 Gb/s	100m at 14.025 GBd									●	●	●												Yes	850nm	VCSEL	PIN	3.3V	Various	LC	Pluggable	Yes
		AFBR-57F5xUMZ	SFP+	Fibre Channel	Multi-mode	14.025 / 10.3 / 8.5 / 4.25 Gb/s	100m at 14.025 GBd			▲						●	●	●												Yes	850nm	VCSEL	PIN	3.3V	Various	LC	Pluggable	Yes
		AFCT-57D3AxMZ	SFP+	Fibre Channel	Single-mode	8.5 / 4.25 / 2.125 Gb/s	10km and 25km							▲	●	●	●													Yes	1310nm	DFB Laser	PIN	3.3V	-10 to 85°C	LC	Pluggable	Yes
		AFCT-57F3xxMZ	SFP+	Fibre Channel	Single-mode	14.025 / 8.5 / 4.25 Gb/s	10km and 25km									●	●	●												Yes	1310nm	DFB Laser	PIN	3.3V	Various	LC	Pluggable	Yes
		AFBR-57G5MZ	SFP+	Fibre Channel	Multi-mode	28.05 / 14.025 / 8.5 Gb/s	100m OM4 at 28.05 GBd										●	●	●											Yes	850nm	VCSEL	PIN	3.3V	0 to 70°C	LC	Pluggable	Yes
		AFBR-79FIEZ	QSFP+	Ethernet / FCoE	Multi-mode	4x14 Gb/s	100m											▲												Yes	850nm	VCSEL	PIN	3.3 V	0 to 70°C	MPO	Pluggable	Yes
Base Station	CPRI / OBSAI	AFBR-57J5APZ	SFP	Base Station	Multi-mode	3.072 / 2.4576 Gb/s	500m																	●						Yes	850nm	VCSEL	PIN	3.3V	-40 to 85°C	LC	Pluggable	Yes
		AFBR-709JAMZ	SFP	Base Station	Multi-mode	9.83 / 6.14 Gb/s	300m			▲															●					Yes	850nm	VCSEL	PIN	3.3V	-40 to 85°C	LC	Pluggable	Yes
		AFCT-739JAMZ	SFP	Base Station	Single-mode	9.83 / 6.14 Gb/s	10km			▲															●					Yes	1310nm	DFB Laser	PIN	3.3V	-40 to 85°C	LC	Pluggable	Yes
SONET/SDH	OC-3	AFCT-5760xxxZ	SFP	SONET / SDH	Single-mode	155 Mb/s	15km and 40km																			●				Yes	1310nm	FP Laser	PIN	3.3V	Various	LC	Pluggable	
		AFCT-5765xxxZ	SFP	SONET / SDH	Single-mode	155 Mb/s	2km, 15km and 40km																			●				Yes	1310nm	FP Laser	PIN	3.3V	Various	LC	Pluggable	Yes
		AFCT-5805xZ	Duplex	SONET / SDH	Single-mode	155 Mb/s	15km																			●				Yes	1310nm	FP Laser	PIN	3.3/5V	Various	SC	1x9	
		AFCT-5815xZ	Duplex	SONET / SDH	Single-mode	155 Mb/s	40km																			●				Yes	1310nm	FP Laser	PIN	3.3/5V	Various	SC	1x9	
		AFCT-5961xxxZ	SFF	SONET / SDH	Single-mode	155 Mb/s	15km and 40km																			●				Yes	1310nm	FP Laser	PIN	3.3V	Various	LC	2x5	
		AFCT-5962xxxZ	SFF	SONET / SDH	Single-mode	155 Mb/s	15km and 40km																			●				Yes	1310nm	FP Laser	PIN	3.3V	Various	LC	2x10	
		AFCT-5963xxxZ	SFF	SONET / SDH	Single-mode	155 Mb/s	15km and 40km																			●				Yes	1310nm	FP Laser	PIN	3.3V	Various	LC	2x5	
		AFCT-5964xxxZ	SFF	SONET / SDH	Single-mode	155 Mb/s	15km and 40km																			●				Yes	1310nm	FP Laser	PIN	3.3V	Various	LC	2x10	
	OC-12	AFCT-5750xxxZ	SFP	SONET / SDH	Single-mode	622 Mb/s	2km and 15km																			●	●			Yes	1310nm	FP Laser	PIN	3.3V	Various	LC	Pluggable	
		AFCT-5755xxxZ	SFP	SONET / SDH	Single-mode	622 Mb/s	2km																			●	●			Yes	1310nm	FP Laser	PIN	3.3V	Various	LC	Pluggable	Yes
	OC-48	AFCT-5943xxZ	SFF	SONET / SDH	Multi-mode	2.488 Gb/s	2km and 15km																			▲	▲	●		Yes	1310nm	FP Laser	PIN	3.3V	-40 to 85°C	LC	2x5	
		AFCT-5944xxZ	SFF	SONET / SDH	Multi-mode	2.488 Gb/s	2km and 15km																			▲	▲	●		Yes	1310nm	FP Laser	PIN	3.3V	-40 to 85°C	LC	2x10	
High Speed Interconnect	Proprietary	AFBR-83CDZ	CXP TXCR	Proprietary	Multi-mode	12 ch @12.5 Gb/s per channel	50m OM3 / 75m OM4						●										●							Yes	850nm	VCSEL	PIN	3.3V/2.5V	0 to 70°C	MPO	Pluggable - edge mount	Yes
		AFBR-83CDxxZ	CXP AOC	Proprietary	Multi-mode	12 ch @12.5 Gb/s per channel	up to 50m						●										●							Yes	850nm	VCSEL	PIN	3.3V/2.5V	0 to 70°C	N/A	Pluggable - edge mount	Yes
		AFBR-83PDZ	CXP TXCR	Proprietary/InfiniBand	Multi-mode	12 ch @10.3125Gb/s per channel	100m OM3 / 150m OM4			●			●									●	●							Yes	850nm	VCSEL	PIN	3.3V/2.5V	0 to 70°C	MPO	Pluggable - edge mount	Yes
		AFBR-83PDxxZ	CXP AOC	Proprietary/InfiniBand	Multi-mode	12 ch @10.3125Gb/s per channel	up to 100m			●			●									●	●							Yes	850nm	VCSEL	PIN	3.3V/2.5V	0 to 70°C	N/A	Pluggable - edge mount	Yes
		AFBR-811vx1Z	MiniPOD™	Proprietary	Multi-mode	12 ch @10.3125 Gb/s per channel	100m OM3 / 150m OM4			●			●									●	●							Yes	850nm	VCSEL		3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-821vx1Z	MiniPOD™	Proprietary	Multi-mode	12 ch @10.3125 Gb/s per channel	100m OM3 / 150m OM4			●			●									●	●							Yes	850nm		PIN	3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-811vx3Z	MiniPOD™	Proprietary	Multi-mode	12 ch @10.3125 Gb/s per channel	300m OM3 / 400m OM4			●			●									●	●							Yes	850nm	VCSEL		3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-821vx3Z	MiniPOD™	Proprietary	Multi-mode	12 ch @10.3125 Gb/s per channel	300m OM3 / 400m OM4			●			●									●	●							Yes	850nm		PIN	3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-812vxyZ	MiniPOD™	Proprietary	Multi-mode	12 ch @12.5 Gb/s per channel	100m OM3 / 150m OM4						●									●	●							Yes	850nm	VCSEL		3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-822vxyZ	MiniPOD™	Proprietary	Multi-mode	12 ch @12.5 Gb/s per channel	100m OM3 / 150m OM4						●									●	●							Yes	850nm		PIN	3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-814vxyZ	MiniPOD™	Proprietary	Multi-mode	12 ch @14 Gb/s per channel	100m OM3 / 150m OM4						●									●	●							Yes	850nm	VCSEL		3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-824vxyZ	MiniPOD™	Proprietary	Multi-mode	12 ch @14 Gb/s per channel	100m OM3 / 150m OM4						●									●	●							Yes	850nm		PIN	3.3V/2.5V	0 to 70°C	PRIZM™	Pluggable socket	Yes
		AFBR-77D1SZ	MicroPOD™	Proprietary	Multi-mode	12 ch @10.3125 Gb/s per channel	100m OM3 / 150m OM4			●			●									●	●							Yes	850nm	VCSEL		3.3V/2.5V	0 to 70°C	PRIZM™	µLGA	Yes
		AFBR-78D1SZ	MicroPOD™	Proprietary	Multi-mode	12 ch @10.3125 Gb/s per channel	100m OM3 / 150m OM4			●			●									●	●							Yes	850nm		PIN	3.3V/2.5V	0 to 70°C	PRIZM™	µLGA	Yes
		AFBR-77D2SZ	MicroPOD™	Proprietary	Multi-mode	12 ch @12.5 Gb/s per channel	100m OM3 / 150m OM4						●									●	●							Yes	850nm	VCSEL		3.3V/2.5V	0 to 70°C	PRIZM™	µLGA	Yes
		AFBR-78D2SZ	MicroPOD™	Proprietary	Multi-mode	12 ch @12.5 Gb/s per channel	100m OM3 / 150m OM4						●									●	●							Yes	850nm		PIN	3.3V/2.5V	0 to 70°C	PRIZM™	µLGA	Yes
		AFBR-77D4SZ	MicroPOD™	Proprietary	Multi-mode	12 ch @14 Gb/s per channel	100m OM3 / 150m OM4						●									●	●							Yes	850nm	VCSEL		3.3V/2.5V	0 to 70°C	PRIZM™	µLGA	Yes
		AFBR-78D4SZ	MicroPOD™	Proprietary	Multi-mode	12 ch @14 Gb/s per channel	100m OM3 / 150m OM4						●									●	●							Yes	850nm		PIN	3.3V/2.5V	0 to 70°C	PRIZM™	µLGA	Yes
		AFBR-77D1S3Z	MicroPOD™	Proprietary	Multi-mode	12 ch @10.3125 Gb/s per channel	300m OM3 / 400m OM4			●			●									●	●							Yes	850nm	VCSEL		3.3V/2.5V	0 to 70°C	PRIZM™	µLGA	Yes
		AFBR-78D1S3Z	MicroPOD™	Proprietary	Multi-mode	12 ch @10.3125 Gb/s per channel	300m OM3 / 400m OM4			●			●									●	●							Yes	850nm		PIN	3.3V/2.5V	0 to 70°C	PRIZM™	µLGA	Yes

AOC: xx = Length

● Compliant ▲ Compatible * = Please contact FIT local sales team for more information

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