

OSFP

Product Description

The OSFP interconnect system has 60 contacts per port and supports 16 high speed pairs. With a 0.6mm contact pitch, 4 rows of contacts and a horizontal port pitch of 23.38mm, the OSFP footprint is optimized for signal integrity performance. The stacked connector is enhanced for low crosstalk and has ground commoning for resonance dampening. It is also designed for 1U applications. An integrated heat sink for optimal thermal performance is a feature of the design.

Applications		Supported Standards
Storage	Cellular infrastructure	OSFP MSA
Network Interface	Hubs and Servers	
Test and measurement equipment	Switches	

Product Specifications - OSFP	
CONNECTOR	
Materials Specifications	
Housing	Black color, Glass reinforced , Lead Free Solder Reflow Process Compatible Thermo Plastic
Contacts Base Material	Copper Alloy C7025
Contact Normal Force	40 grams min.
Plating Solder Tails	Matte tin over Nickel
Plating Mating Area	Gold
Resonance Dampening Feature	Carbon fibre reinforced
Operating & Storage Temperature	-20° to +85° C
Electrical Specifications	
Operating Voltage	30 VDC per contact
Operating Current	0.5 A per signal contact 1.5 A per low speed power contact
Differential Impedance	100 Ω +/- 10 Ω
Mechanical Specifications	
Mating Force	40 N max.
Unmating Force	40 N max.
Durability	250 mating cycles
Options	
Packaging	Tape and Reel or Tray
Configurations	1x1, 1x4, 2x6
Environmental Specifications	
RoHS	Yes
Halogen Free	Yes
Flammability Rating	UL 94V-0



Ordering Information

OSFP 1XN Connector

UE62A 1 0 1 0 X X 00 T

UE62A	OSFP SERIES A - 1X1 SMT CONNECTOR
1	NUMBER OF PORTS IN ROW 1 - Single Connector
0	OPTIONS 0 - Standard
1	TERMINATION 1 - SMT
0	OPTIONS 0 - Standard

PACKAGING T- Tape and Reel	T
OPTIONS 00 - Standard	0
CONNECTOR PLATING 0 - Standard SMT Connector 1 - Connector with Solder Ring for B-B Application	X
PLATING FOR MATING CONTACT 2 - 30 u" Gold Mating, Gold Flash on Terminals 3 - 30 u" Gold Mating, 120-300 u" Matte Tin on Terminals 5 - 15 u" Gold Mating, Gold Flash on Terminals 6 - 15 u" Gold Mating, 120-300 u" Matte Tin on Terminals	X

OSFP 1XN Cage

UE62B X X 2 0 X X 00 1

UE62B	OSFP SERIES B - 1XN Inline Cages
1	NUMBER OF PORTS IN ROW 1 - 1x1 Cage 2 - 1x2 Cage 4 - 1x4 Cage
X	CAGE EMI OPTIONS 6 - Spring Fingers
2	CAGE PIN STYLE 2 - Press Fit
0	OPTIONS 0 - Standard

PACKAGING 1- Tray Packaging	1
OPTIONS 00 - Standard	0
CAGE PLATING 2 - Nickel Plating	X
OPTIONS 0-Standard	X

OSFP 2xN Cage

UE62M X X 2 0 X X X0 1

UE62M	OSFP SERIES M - 2XN Press Fit Combo
1	NUMBER OF PORTS IN ROW 1 - 2x1 Combo 2 - 2x2 Combo 4 - 2x4 Combo 6 - 2x6 Combo
X	CAGE EMI OPTIONS 6 - Spring Fingers
2	TERMINATION 2 - Press Fit
0	OPTIONS 0 - Standard

PACKAGING 1- Tray Packaging	1
CAGE PLATING OPTIONS 20 - Nickel Plating 30 - Matte Tin Plating	0
CONNECTOR PLATING 3 - 30 u" Gold Mating, 120-300 u" Matte 6 - 15 u" Gold Mating, 120-300 u" Matte	X
COMBO STYLE 0 - Std 0.25 Thick Cage B - Overhanging/Recessed	X



Order Information:

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Product Applications; List represents common uses for the product but is not limited to these uses.
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