

## Excellent Integrated System Limited

Stocking Distributor

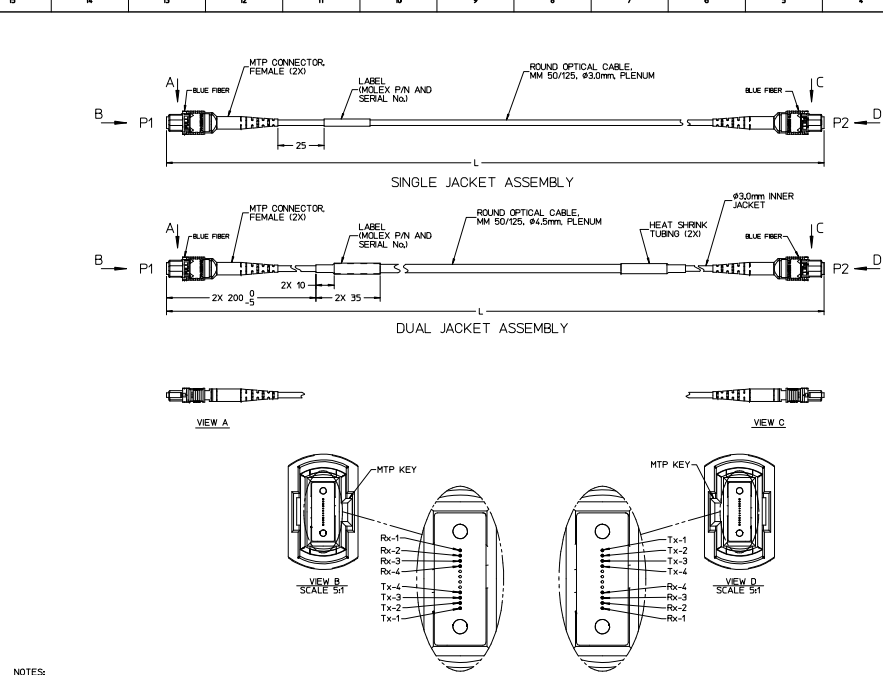
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[Molex Connector Corporation](#)  
[1062830023](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

QSFP CABLE ASSEMBLY PART NUMBER				OVERALL LENGTH L (m)	CABLE DIA. (mm)	CABLE TYPE
STANDARD BANDWIDTH (OM2) (ORANGE CABLE)	HIGH BANDWIDTH (OM3) (AQUA CABLE)	HIGH BANDWIDTH (OM4) (AQUA CABLE)				
TBD	106283-1000	106283-7501	0.5 +0.1/-0	3.0	12 FIBER ROUND CABLE, SINGLE JACKET	
106283-0001	106283-1001	106283-7502	1.0 +0.2/-0			
TBD	TBD	106283-7502	1.5 +0.2/-0			
106283-0002	106283-1002	106283-7502	2.0 +0.2/-0			
TBD	TBD	106283-7503	2.5 +0.2/-0			
106283-0003	106283-1003	106283-7503	3.0 +0.2/-0			
106283-0004	106283-1004	106283-7504	4.0 +0.2/-0			
106283-0005	106283-1005	106283-7505	5.0 +0.2/-0			
106283-0006	106283-1006	106283-7506	6.0 +0.2/-0			
106283-0007	106283-1007	106283-7507	7.0 +0.2/-0			
106283-0008	106283-1008	106283-7508	8.0 +0.2/-0	4.5	12 FIBER ROUND CABLE, DUAL JACKET	
106283-0009	106283-1009	106283-7509	9.0 +0.2/-0			
106283-0010	106283-1010	106283-7510	10.0 +0.3/-0			
106283-0011	106283-1011	106283-7511	11.0 +0.3/-0			
106283-0012	106283-1012	106283-7512	12.0 +0.3/-0			
106283-0013	106283-1013	106283-7513	13.0 +0.3/-0			
106283-0014	106283-1014	106283-7514	14.0 +0.3/-0			
106283-0015	106283-1015	106283-7515	15.0 +0.3/-0			
106283-0016	106283-1016	106283-7516	16.0 +0.3/-0			
106283-0017	106283-1017	106283-7517	17.0 +0.3/-0			
106283-0018	106283-1018	106283-7518	18.0 +0.3/-0			
106283-0019	106283-1019	106283-7519	19.0 +0.3/-0			
106283-0020	106283-1020	106283-7520	20.0 +0.4/-0			
106283-0021	106283-1021	106283-7521	21.0 +0.4/-0			
106283-0022	106283-1022	106283-7522	22.0 +0.4/-0			
106283-0023	106283-1023	106283-7523	23.0 +0.4/-0			
106283-0024	106283-1024	106283-7524	24.0 +0.4/-0			
106283-0025	106283-1025	106283-7525	25.0 +0.5/-0			
106283-0026	106283-1026	106283-7526	26.0 +0.5/-0			
106283-0027	106283-1027	106283-7527	27.0 +0.5/-0			
106283-0028	106283-1028	106283-7528	28.0 +0.5/-0			
106283-0029	106283-1029	106283-7529	29.0 +0.5/-0			
106283-0030	106283-1030	106283-7530	30.0 +0.6/-0			
106283-0035	106283-1035	106283-7535	35.0 +0.7/-0			
106283-0040	106283-1040	106283-7540	40.0 +0.8/-0			
106283-0045	106283-1045	106283-7545	45.0 +0.9/-0			
106283-0050	106283-1050	106283-7550	50.0 +1.0/-0			
	106283-1055	106283-7555	55.0 +1.1/-0			
	106283-1060	106283-7560	60.0 +1.2/-0			
	106283-1065	106283-7565	65.0 +1.3/-0			
	106283-1070	106283-7570	70.0 +1.4/-0			
	106283-1075	106283-7575	75.0 +1.5/-0			
	106283-1080	106283-7580	80.0 +1.6/-0			
	106283-1085	106283-7585	85.0 +1.7/-0			
	106283-1090	106283-7590	90.0 +1.8/-0			
	106283-1095	106283-7595	95.0 +1.9/-0			
	106283-1100	106283-7600	100.0 +2.0/-0			
	106283-1120	TBD	120.0 +2.4/-0			
	106283-1150	106283-7550	150.0 +3.0/-0			
	106283-1300	TBD	300.0 +6.0/-0			
	TBD	106283-7400	400.0 +8.0/-0			



NOTES:  
 1. CABLE ASSEMBLY SPECIFICATIONS:  
 OPTICAL PROPERTIES  
 FIBER TYPE MULTIMODE 50/125 μm BEND-INSENSITIVE  
 CONNECTOR INSERTION LOSS (MAX) 1.0 dB  
 CABLE ATTENUATION (MAX) 3.5/12 dB/km AT 850/1300 nm  
 SEE TABLE 1  
 ENVIRONMENTAL PROPERTIES  
 CONNECTOR MATERIALS UL94 V-0  
 CABLE FLAMMABILITY RATING PLENUM OFNP (NFPA 262/UL 910)  
 OPERATING TEMPERATURE RANGE -0°C TO +70°C  
 MECHANICAL PROPERTIES  
 FIBER COUNT 4 Tx X 4 Rx  
 CABLE MIN. BEND RADIUS  
 SHORT TERM 50 mm - SINGLE JACKET  
 89 mm - DUAL JACKET  
 LONG TERM 20 mm - SINGLE JACKET  
 57 mm - DUAL JACKET  
 NO LOAD 12.5 mm - SINGLE JACKET CABLE/INNER SUBUNIT  
 OF DUAL JACKETED CABLE  
 COMPRESSIVE FORCE >3.5 N/mm - SINGLE JACKET CABLE/INNER SUBUNIT  
 OF DUAL JACKETED CABLE  
 MIN CONTROLLED 90° AND 180° BENDS, MINIMUM BEND RADIUS CAN BE REDUCED TO 15 IN (38 mm).

TABLE 1

FIBER TYPE	OVERFILLED LAUNCH BANDWIDTH, MIN. (850 nm)		1 GIGABIT ETHERNET LINK DISTANCE, MIN. (m)		10 GIGABIT ETHERNET LINK DISTANCE, MIN. (m)		40 & 100 GIGABIT ETHERNET LINK DISTANCE, MIN. (m)		EFFECTIVE MODAL BANDWIDTH (MHz-km)
	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm	
STANDARD BANDWIDTH (OM2)	500	500	600	---	86	---	---	---	---
HIGH BANDWIDTH (OM3)	1500	500	1000	---	300	---	100	---	2000
HIGH BANDWIDTH (OM4)	3500	550	1040	---	550	---	60	---	4700

QUALITY SYMBOLS: 4 PLACES ±, 3 PLACES ±, 2 PLACES ±, 1 PLACE ±, 0 PLACE ±

GENERAL TOLERANCES (UNLESS SPECIFIED): mm, INCH

DIMENSION STYLE: MM ONLY

SCALE: 1:1

UNITS: INCH

THIRD ANGLE PROJECTION

ENTER DESCRIPTION: ITC MOX 2010-080  
 DATE: 2010/05/06  
 DRAWN: GUMIN  
 CHECK: GUMIN  
 APPROVED: GUMIN  
 DATE: 2010/07/14

GENERAL TOLERANCES (UNLESS SPECIFIED): mm, INCH

DIMENSION STYLE: MM ONLY

SCALE: 1:1

UNITS: INCH

THIRD ANGLE PROJECTION

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

SEE TABLE

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DOCUMENT NO. SD-106283-00XX

SHEET NO. 1 OF 1

OPTICAL CONNECTION

FROM P1	TO P2
Rx-1	Tx-1
Rx-2	Tx-2
Rx-3	Tx-3
Rx-4	Tx-4
UNUSED	UNUSED
UNUSED	UNUSED
UNUSED	UNUSED
Tx-4	Rx-4
Tx-3	Rx-3
Tx-2	Rx-2
Tx-1	Rx-1