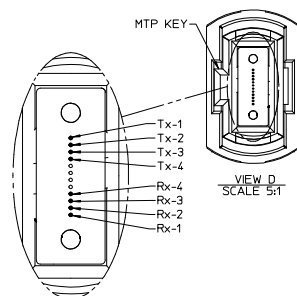
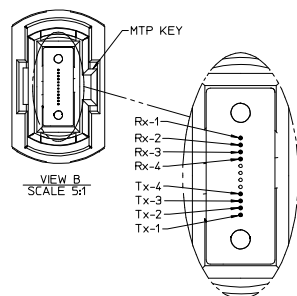
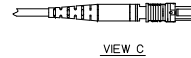
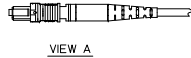
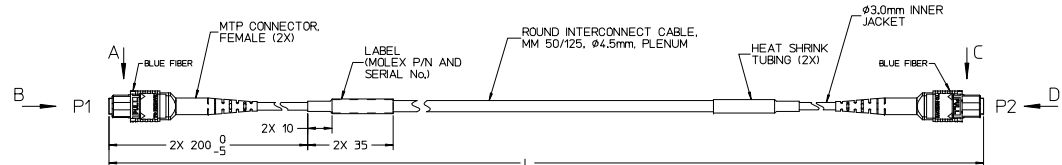
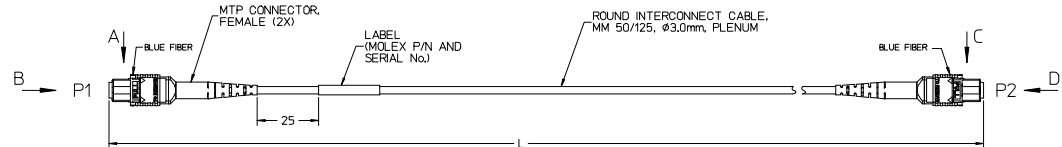


QSFP CABLE ASSEMBLY PART NUMBER				OVERALL LENGTH L (m)	CABLE DIA. (mm)	CABLE TYPE
STANDARD BANDWIDTH (OM2) (ORANGE CABLE)	HIGH BANDWIDTH (OM3) (AQUA CABLE)	HIGH BANDWIDTH (OM4) (AQUA CABLE)				
106283-0001	106283-1001	106283-7001	1.0 +0.2/-0	3.0	BARE FIBER INTERCONNECT, SINGLE JACKET	
106283-0002	106283-1002	106283-7002	2.0 +0.2/-0			
106283-0003	106283-1003	106283-7003	3.0 +0.2/-0			
106283-0004	106283-1004	106283-7004	4.0 +0.2/-0			
106283-0005	106283-1005	106283-7005	5.0 +0.2/-0			
106283-0006	106283-1006	106283-7006	6.0 +0.2/-0			
106283-0007	106283-1007	106283-7007	7.0 +0.2/-0			
106283-0008	106283-1008	106283-7008	8.0 +0.2/-0			
106283-0009	106283-1009	106283-7009	9.0 +0.2/-0			
106283-0010	106283-1010	106283-7010	10.0 +0.3/-0	4.5	BARE FIBER INTERCONNECT, DUAL JACKET	
106283-0011	106283-1011	106283-7011	11.0 +0.3/-0			
106283-0012	106283-1012	106283-7012	12.0 +0.3/-0			
106283-0013	106283-1013	106283-7013	13.0 +0.3/-0			
106283-0014	106283-1014	106283-7014	14.0 +0.3/-0			
106283-0015	106283-1015	106283-7015	15.0 +0.3/-0			
106283-0016	106283-1016	106283-7016	16.0 +0.3/-0			
106283-0017	106283-1017	106283-7017	17.0 +0.3/-0			
106283-0018	106283-1018	106283-7018	18.0 +0.3/-0			
106283-0019	106283-1019	106283-7019	19.0 +0.3/-0			
106283-0020	106283-1020	106283-7020	20.0 +0.4/-0			
106283-0021	106283-1021	106283-7021	21.0 +0.4/-0			
106283-0022	106283-1022	106283-7022	22.0 +0.4/-0			
106283-0023	106283-1023	106283-7023	23.0 +0.4/-0			
106283-0024	106283-1024	106283-7024	24.0 +0.4/-0			
106283-0025	106283-1025	106283-7025	25.0 +0.5/-0			
106283-0026	106283-1026	106283-7026	26.0 +0.5/-0			
106283-0027	106283-1027	106283-7027	27.0 +0.5/-0			
106283-0028	106283-1028	106283-7028	28.0 +0.5/-0			
106283-0029	106283-1029	106283-7029	29.0 +0.5/-0			
106283-0030	106283-1030	106283-7030	30.0 +0.6/-0			
106283-0035	106283-1035	106283-7035	35.0 +0.7/-0			
106283-0040	106283-1040	106283-7040	40.0 +0.8/-0			
106283-0045	106283-1045	106283-7045	45.0 +0.9/-0			
106283-0050	106283-1050	106283-7050	50.0 +1.0/-0			
	106283-1055	106283-7055	55.0 +1.1/-0			
	106283-1060	106283-7060	60.0 +1.2/-0			
	106283-1065	106283-7065	65.0 +1.3/-0			
	106283-1070	106283-7070	70.0 +1.4/-0			
	106283-1075	106283-7075	75.0 +1.5/-0			
	106283-1080	106283-7080	80.0 +1.6/-0			
	106283-1085	106283-7085	85.0 +1.7/-0			
	106283-1090	106283-7090	90.0 +1.8/-0			
	106283-1095	106283-7095	95.0 +1.9/-0			
	106283-1100	106283-7100	100.0 +2.0/-0			
		TBD	120.0 +2.4/-0			
	106283-1150	106283-7150	150.0 +3.0/-0			



NOTES:

1. CABLE ASSEMBLY SPECIFICATIONS:

OPTICAL PROPERTIES

FIBER TYPE MULTIMODE 50/125 μ m BEND-INSENSITIVE

CONNECTOR INSERTION LOSS (MAX.) 1.0 dB

CABLE ATTENUATION (MAX.) 3.5/1.2 dB/km AT 850/1300 nm

*BANDWIDTH 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
 Δ 57 mm - DUAL JACKET

NO LOAD 12.5 mm - SINGLE JACKET
OR SUBUNIT JACKET OF DUAL JACKET

COMPRESSIVE FORCE SINGLE JACKET >3.5 N/mm

Δ IN CONTROLLED 90° AND 180° BENDS, MINIMUM BEND RADIUS CAN BE REDUCED TO 1.5 IN (38 mm).

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

TABLE 1

FIBER TYPE	OVERFILLED LAUNCH BANDWIDTH, MIN. (MHz-km)		1 GIGABIT ETHERNET LINK DISTANCE, MIN. (m)		10 GIGABIT ETHERNET LINK DISTANCE, MIN. (m)		EFFECTIVE MODAL BANDWIDTH (MHz-km)
	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	---	2000
HIGH BANDWIDTH (OM4)	3500	550	1040	---	550	---	4700

ENTER DESCRIPTION ELEC NO. MF2013-0242 DRAWN BY: BEDNYAK CHKD: APPR.: GUMIN 2012/10/15 2012/10/24	QUALITY SYMBOLS $\nabla=0$ $\nabla=0$	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <tr><th></th><th>mm</th><th>INCH</th></tr> <tr><td>4 PLACES</td><td>±---</td><td>±---</td></tr> <tr><td>3 PLACES</td><td>±---</td><td>±---</td></tr> <tr><td>2 PLACES</td><td>±---</td><td>±---</td></tr> <tr><td>1 PLACE</td><td>±---</td><td>±---</td></tr> <tr><td>0 PLACE</td><td>±</td><td>±</td></tr> </table>		mm	INCH	4 PLACES	±---	±---	3 PLACES	±---	±---	2 PLACES	±---	±---	1 PLACE	±---	±---	0 PLACE	±	±	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION
		mm	INCH																					
	4 PLACES	±---	±---																					
	3 PLACES	±---	±---																					
2 PLACES	±---	±---																						
1 PLACE	±---	±---																						
0 PLACE	±	±																						
DATE 2006/01/31	DATE 2010/11/12	MATERIAL NO. SEE TABLE		DOCUMENT NO. SD-106283-00XX		SHEET NO. 1 OF 1																		
MOLEX QSFP OPTICAL CABLE ASSEMBLY 																								
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								