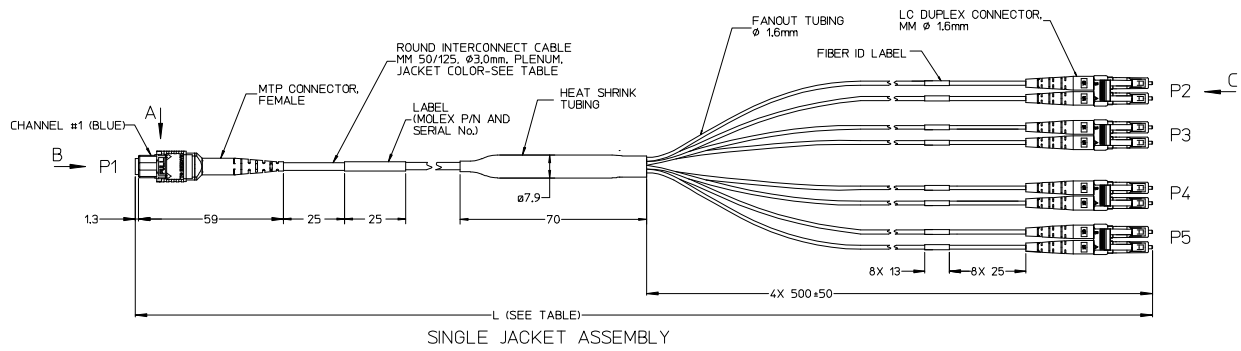
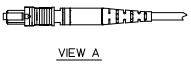
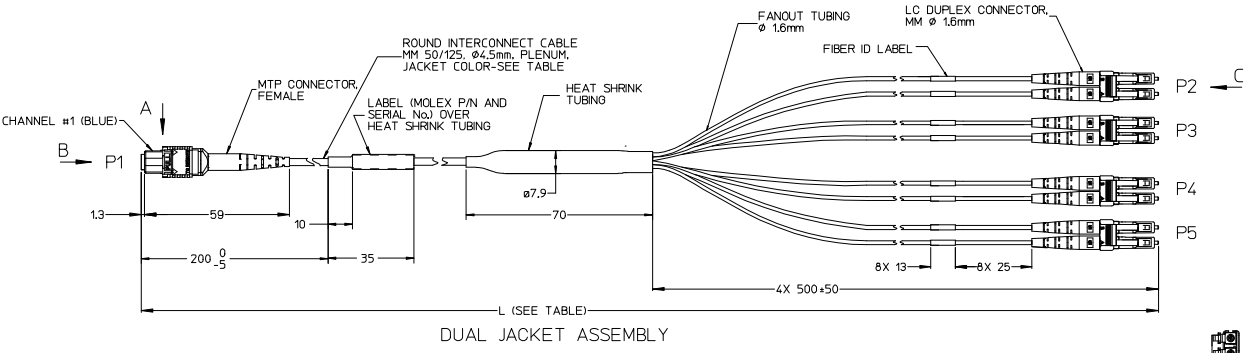
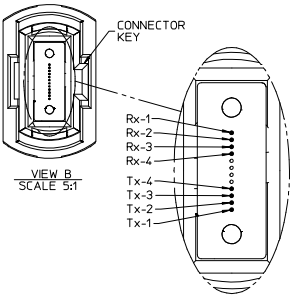


QSFP CABLE ASSEMBLY PART NUMBER				OVERALL LENGTH L (m)	CABLE DIA. (mm)	CABLE TYPE
STANDARD BANDWIDTH (OM2) (ORANGE CABLE)	HIGH BANDWIDTH (OM3) (AQUA CABLE)	HIGH BANDWIDTH (OM4) (AQUA CABLE)				
106283-5001	106283-5101	106283-5401	1.0 +0.2/-0	3.0	BARE FIBER INTERCONNECT, SINGLE JACKET	
106283-5009	106283-5109	106283-5402	2.0 +0.2/-0			
106283-5002	106283-5102	106283-5403	3.0 +0.2/-0			
TBD	106283-5119	TBD	4.0 +0.2/-0			
106283-5003	106283-5103	106283-5404	5.0 +0.2/-0			
TBD	TBD	106283-5411	6.0 +0.2/-0	4.5	BARE FIBER INTERCONNECT, DUAL JACKET	
106283-5014	106283-5114	TBD	7.0 +0.2/-0			
106283-5004	106283-5104	106283-5405	10.0 +0.3/-0			
106283-5005	106283-5105	106283-5406	15.0 +0.3/-0			
106283-5007	106283-5107	106283-5407	20.0 +0.4/-0			
TBD	106283-5108	106283-5408	30.0 +0.6/-0	50.0 +1.0/-0		
106283-5015	106283-5115	TBD	50.0 +1.0/-0			
TBD	106283-5126	106283-5409	75.0 +1.5/-0			
TBD	106283-5127	106283-5410	80.0 +1.6/-0	80.0 +1.6/-0		
106283-5016	106283-5116	TBD	100.0 +2.0/-0			



FROM P1	TO	
	CONNECTOR	FIBER ID
Rx-1	P2-B	Tx-1
Rx-2	P3-B	Tx-2
Rx-3	P4-B	Tx-3
Rx-4	P5-B	Tx-4
UNUSED	UNUSED	UNUSED
UNUSED	UNUSED	UNUSED
UNUSED	UNUSED	UNUSED
Tx-4	P5-A	Rx-4
Tx-3	P4-A	Rx-3
Tx-2	P3-A	Rx-2
Tx-1	P2-A	Rx-1



NOTES:

1. CABLE ASSEMBLY SPECIFICATIONS:

OPTICAL PROPERTIES

FIBER TYPE MULTIMODE 50/125 4m BEND-INSENSITIVE

CONNECTOR INSERTION LOSS MTP/LC (MAX.) 0.5/0.35 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

20 mm - SINGLE JACKET

57 mm - DUAL JACKET

12.5 mm - SINGLE JACKET

OR SUBUNIT JACKET OF DUAL JACKET

LONG TERM

NO LOAD

COMPRESSIVE FORCE SINGLE JACKET OR SUBUNIT JACKET OF DUAL JACKET >3.5 N/mm

JACKET OF DUAL JACKET

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

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
IEC NO. MF2013-0692
DRAWN BY
E4
CHKD:
APPR: IGUMIN
REV
DESCRIPTION
2013/05/01
2013/05/06

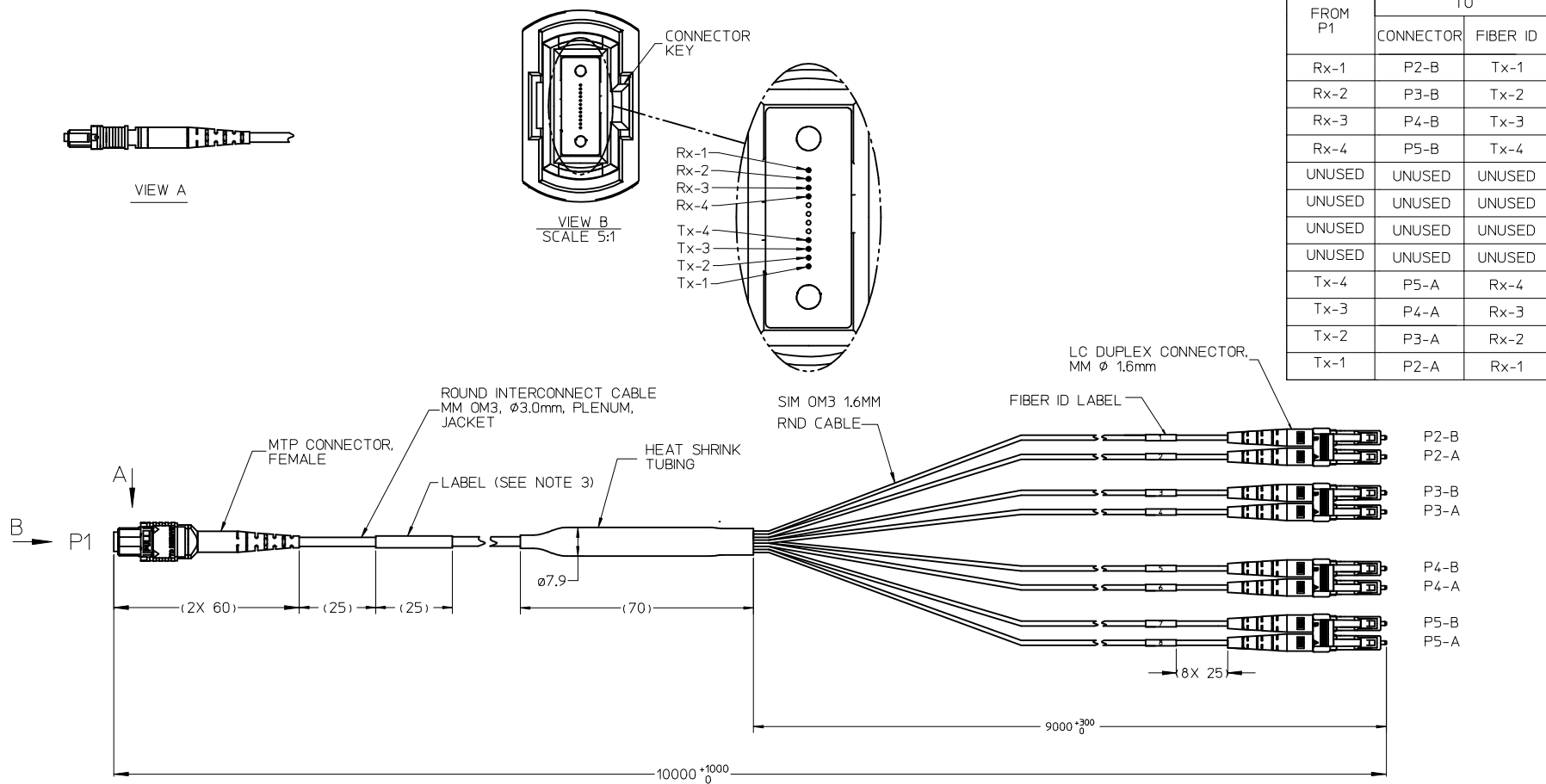
QUALITY SYMBOLS
=0
=0

GENERAL TOLERANCES (UNLESS SPECIFIED)
mm INCH
4 PLACES +--- +---
3 PLACES +--- +---
2 PLACES +--- +---
1 PLACE +--- +---
0 PLACE + +
ANGULAR ±1/2°
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY
DRAWN BY
IGUMIN
DATE
2006/01/31
CHECKED BY
DATE
APPROVED BY
IGUMIN
DATE
2010/04/06
MATERIAL NO.
SEE TABLE
SIZE
D

SCALE
1:1
DESIGN UNITS
INCH
THIRD ANGLE PROJECTION

TITLE
MOLEX QSFP OPTICAL BREAK-OUT CABLE ASSEMBLY
molex
DOCUMENT NO.
SD-106283-5XXX
SHEET NO.
1 OF 1



NOTES:

- DUST CAP ARE NOT SHOWN ,BUT INCLUDED.
- CONNECTOR INSERTION LOSS MTP/LC (MAX.) 0.75/0.35 dB
CONNECTOR RETURN LOSS MTP/LC (MAX.) 20 dB
- LABEL CONTENT: MOLEX P/N AND SERIAL No.
- THE PRODUCT IS EU 2002/95/EC COMPLIANT.

ENTER DESCRIPTION		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION	
EC NO: MF2013-0159		DRAWN: CYWANG01		mm		MM ONLY			INCH		
2013/01/22		2013/01/22		4 PLACES ± --- ± ---		DRAWN BY		DATE		TITLE	
CHKD: JOHNNY		2013/01/22		3 PLACES ± --- ± ---		CYWANG01		2013/01/22		QSFP BREAK-OUT CBL	
APPR: JOWANG		2013/05/28		2 PLACES ± --- ± ---		CHECKED BY		DATE		MM OM3 3.0MM AQUA 10M	
				1 PLACE ± --- ± ---		JOHNNY		2013/01/22			
				0 PLACE ± --- ± ---		APPROVED BY		DATE			
						JOWANG		2013/05/28			
						MATERIAL NO.		DOCUMENT NO.			
						885350426		SD-88535-0426			
						SIZE		SHEET NO.			
						A2		1 OF 1			