

13 12 11 10 9 8 7 6 5 4 3 2 1

CABLE ASSEMBLY PART NUMBER		OVERALL LENGTH L (m)
STANDARD BANDWIDTH*	HIGH BANDWIDTH*	
106283-5201	106283-5301	1.0 +0.2/-0
106283-5202	106283-5302	3.0 +0.2/-0
106283-5203	106283-5303	5.0 +0.2/-0
106283-5204	106283-5304	10.0 +0.3/-0
106283-5205	106283-5305	15.0 +0.3/-0
106283-5210	-	7.0 +0.2/-0

VIEW B SCALE 5:1

CONNECTOR KEY

Tx-1
Tx-2
Tx-3
Tx-4
Rx-4
Rx-3
Rx-2
Rx-1

FROM P1 TO CONNECTOR FIBER ID

Tx-1	P1	1
Tx-2	P2	2
Tx-3	P3	3
Tx-4	P4	4
UNUSED	UNUSED	UNUSED
UNUSED	UNUSED	UNUSED
UNUSED	UNUSED	UNUSED
UNUSED	UNUSED	UNUSED
Rx-4	P5	5
Rx-3	P6	6
Rx-2	P7	7
Rx-1	P8	8

LC CONNECTOR, MM Ø1.6mm

FIBER ID LABEL

ROUND INTERCONNECT CABLE MM 50/125, Ø3.0mm, PLENUM

FANOUT TUBING Ø 1.6mm

MTP CONNECTOR, FEMALE

LABEL (MOLEX P/N AND SERIAL No.)

HEAT SHRINK TUBING

ø7.9

70

1.3

2X 59

25

25

L (SEE TABLE)

8X 500±50

8X 25

P1 P2 P3 P4 P5 P6 P7 P8

VIEW A

NOTES:

1. CABLE ASSEMBLY SPECIFICATIONS:

OPTICAL PROPERTIES

FIBER TYPE MULTIMODE 50/125 μ m

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

OPERATING TEMPERATURE RANGE -0°C TO +70°C

MECHANICAL PROPERTIES

FIBER COUNT 4 Tx X 4 Rx

CABLE MIN. BEND RADIUS 50 mm SHORT TERM
32 mm LONG TERM

2. CABLE ASSEMBLY AND ITS COMPONENTS ARE COMPLIANT WITH EU DIRECTIVE 2002/95/EC ON THE RESTRICTION OF THE USE OF HAZARDOUS SUBSTANCES IN ELECTRICAL AND ELECTRONIC EQUIPMENT (RoHS).

TABLE 1

FIBER TYPE	OVERFILLED LAUNCH BANDWIDTH, MIN. (MHz-km)		1 GIGABIT ETHERNET LINK DISTANCE, MIN. (m)		10 GIGABIT ETHERNET LINK DISTANCE, MIN. (m)	
	850 nm	1300 nm	850 nm	1300 nm	850 nm	1300 nm
STANDARD BANDWIDTH	500	500	600	600	86	---
HIGH BANDWIDTH	1500	500	900	550	300	---

ENTER DESCRIPTION
EC NO: MF2012-0147
DRAWN BY: DRINKPEVZNER
CHKD: 2011/09/12
APPR: IGUMIN 2011/09/14

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ±1/2°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE
MM ONLY

DRAWN BY J. SZEWCZYK
DATE 2007/04/11
CHECKED BY
DATE

APPROVED BY I. GUMIN
DATE 2007/04/11

MATERIAL NO.

SCALE 1:1

DESIGN UNITS INCH

THIRD ANGLE PROJECTION

TITLE
MOLEX QSFP OPTICAL BREAK-OUT CABLE ASSEMBLY

MOLEX INCORPORATED

DOCUMENT NO. SD-106283-5YYY

SHEET NO. 1 OF 1

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