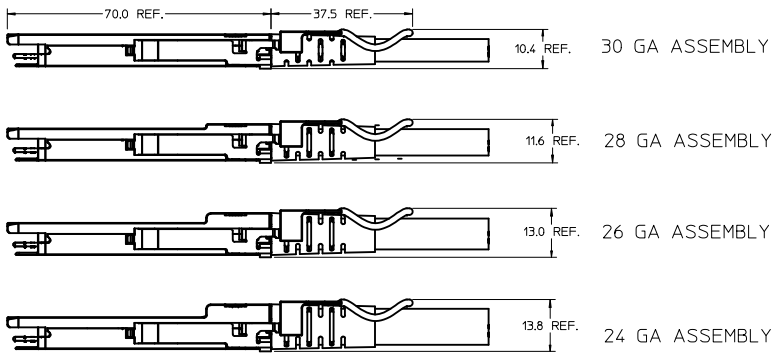


P/N: 74757-XXXX
S/N: YDDDLSSSS
XM XXAWG

* FOR CABLES UNDER 2 METERS, LABEL ON ONE END ONLY

YDDDLSSSS
Y--- YEAR, THE LAST DIGIT OF YEAR
DDD---DAY OF THE YEAR
L---LOCATION
SSSS---SERIAL NO.



NOTES:
1. CABLE DISTANCE DEPENDS ON WIRE GAUGE, DATA RATE, AND HOST BOARD DRIVER CAPABILITIES
2. MATERIALS:
   - BACKSHELLS - ZINC DIE CAST WITH BRIGHT NICKEL PLATING
   - DELATCH - STAINLESS STEEL WITH OVERMOLDED NYLON
   - PCB - FR4
   - RIVETS - STAINLESS STEEL
3. IMPEDANCE - 100 OHMS DIFFERENTIAL
4. THIS PRODUCT MEETS THE RESTRICTION OF HAZARDOUS SUBSTANCES IN ELECTRICIAL AND ELECTRONIC EQUIPMENT (RoHS) DIRECTIVE.

ENTER DESCRIPTION
EC NO: USY2010-0295
DRWN:FZHANG01_USY 2009/12/22
CHKD:C. BILL 2009/12/22
APPR:RMAHMOOD 2009/12/22
REV: G
DESCRIPTION

QUALITY SYMBOLS
▼=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: —
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

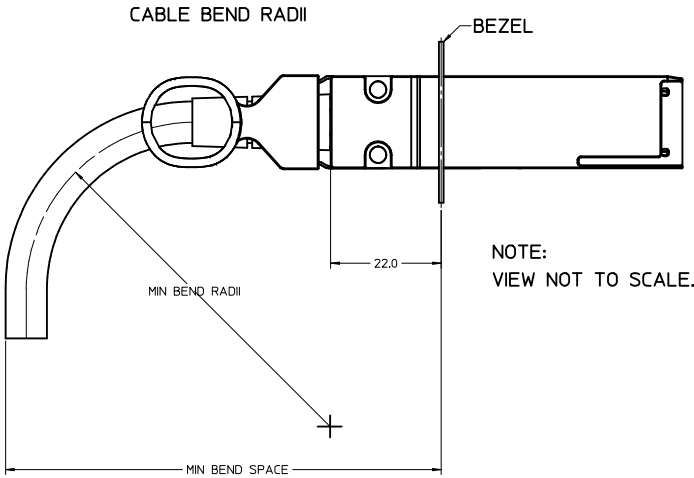
DRAWN BY: CHIRSCHY DATE: 2007/04/24
CHECKED BY: BRUSSELL DATE: 2007/04/24
APPROVED BY: RMAHMOOD DATE: 2007/04/24

TITLE: QSFP CABLE ASSEMBLY

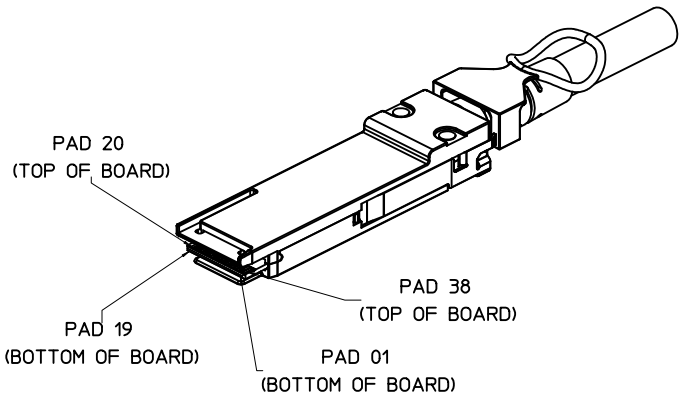
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MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-74757-0001
SHEET NO.: 1 OF 4
SIZE: A1

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NOTE:
VIEW NOT TO SCALE.



CABLE AWG	OD (mm)	MIN BEND RADII (mm)	MIN BEND SPACE (mm)
24	9.5	48	74.75
26	8.25	42	68.12
28	7.0	35	60.5
30	6.0	30	55

LOW SPEED SIGNALS	
P1 & P2	
PAD	SIGNAL
08	ModSelL
09	ResetL
10	VccRx
11	SCL
12	SDA
27	ModPrsL
28	IntL
29	VccTx
30	Vcc1
31	LPMode

WIRING DIAGRAM				
P1 END			P2 END	
PAD	SIGNAL		PAD	SIGNAL
01	GND (TX)	→	20	GND (RX)
02	TX2n	→	21	RX2n
03	TX2p	→	22	RX2p
04	GND (TX)	→	23	GND (RX)
05	TX4n	→	24	RX4n
06	TX4p	→	25	RX4p
07	GND (TX)	→	26	GND (RX)
13	GND (RX)	←	32	GND (TX)
14	RX3p	←	33	TX3p
15	RX3n	←	34	TX3n
16	GND (RX)	←	35	GND (TX)
17	RX1p	←	36	TX1p
18	RX1n	←	37	TX1n
19	GND (RX)	←	38	GND (TX)
20	GND (RX)	←	01	GND (TX)
21	RX2n	←	02	TX2n
22	RX2p	←	03	TX2p
23	GND (RX)	←	04	GND (TX)
24	RX4n	←	05	TX4n
25	RX4p	←	06	TX4p
26	GND (RX)	←	07	GND (TX)
32	GND (TX)	→	13	GND (RX)
33	TX3p	→	14	RX3p
34	TX3n	→	15	RX3n
35	GND (TX)	→	16	GND (RX)
36	TX1p	→	17	RX1p
37	TX1n	→	18	RX1n
38	GND (TX)	→	19	GND (RX)

NOTES:
1. DC BLOCKING CAPS ON RECEIVE SIDE ONLY

ENTER DESCRIPTION
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REV G

QUALITY SYMBOLS
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▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: —
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: CHIRSCHY DATE: 2007/04/24
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APPROVED BY: RMAHMOOD DATE: 2007/04/24

TITLE: QSFP CABLE ASSEMBLY

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MATERIAL NO.: SEE TABLE
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SHEET NO.: 2 OF 4
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PART NUMBER	LENGTH (M)	AWG
74757-1031	0.3M ± 0.03	30
74757-1051	0.5M ± 0.03	30
74757-1061	0.6M ± 0.03	30
74757-1101	1M ± 0.05	30
74757-1201	2M ± 0.05	30
74757-1301	3M ± 0.05	30
74757-1501	5M ± 0.08	30
74757-1701	7M ± 0.08	30
74757-9001	10M ± 0.08	30
74757-2101	1M ± 0.05	28
74757-2201	2M ± 0.05	28
74757-2301	3M ± 0.05	28
74757-2501	5M ± 0.08	28
74757-2701	7M ± 0.08	28
74757-9005	10M ± 0.08	28
74757-3101	1M ± 0.05	26
74757-3201	2M ± 0.05	26
74757-3301	3M ± 0.05	26
74757-3501	5M ± 0.08	26
74757-3701	7M ± 0.08	26
74757-9003	10M ± 0.08	26
74757-4101	1M ± 0.05	24
74757-4201	2M ± 0.05	24
74757-4301	3M ± 0.05	24
74757-4501	5M ± 0.08	24
74757-4701	7M ± 0.08	24
74757-9004	10M ± 0.08	24
74757-9013	15M ± 0.12	24
74757-9014	20M ± 0.12	24

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2 PLACES	± ---	± ---
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ANGULAR	±---°	

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SCALE: —
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

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CHECKED BY: BRUSSELL DATE: 2007/04/24
APPROVED BY: RMAHMOOD DATE: 2007/04/24

TITLE: QSFP CABLE ASSEMBLY

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
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SHEET NO.: 3 OF 4
SIZE: A1

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DATE	REV	DESCRIPTION
2007/04/24	A	INITIAL RELEASE
2007/07/19	B	1. ADDED REVISION HISTORY
		2. ADDED SHEET 2 WITH PART NUMBER LIST AND PINOUT
		3. REWORDED NOTE 1 ON SHEET 1
		4. 11.6 REF DIMENSION WAS 11.5 REF, 13.0 REF DIMENSION WAS 12.9 REF, 13.8 REF DIMENSION WAS 13.7 REF
2007/11/26	C	1. DELETED 74757-9002 & ADDED 74757-9005 TO PART NUMBER LIST ON SHEET 2
		2. CHANGED SCALE OF SHEET 1 TO FROM 2:1 TO 1.5:1
		3. CHANGED TANGENT LINES ON SHEET 1 FROM DASHED LINES TO SOLID LINES
2008/02/29	D	1. REMOVED LABEL FROM QSFP BACKSHELLS
		2. ADDED CABLE LABEL TO EACH END OF CABLE ASSEMBLY
		3. DELETED ISO VIEW FROM SHEET 1
		4. ADDED LABEL DETAIL TO NOTES SECTION
2008/05/08	E	1. ADDED PICTURE OF LABEL DETAIL AND NOTE TO SHEET 1
		2. REMOVED LABEL DETAIL INFORMATION FROM NOTES SECTION
		3. ADDED LABEL PLACEMENT DIMENSION
		4. ADDED DC BLOCKING CAP NOTE TO SHEET 2
		5. ADDED 74757-9013 AND 74757-9014 TO P/N LIST
		6. UPDATED ALL VIEWS WITH NEW "BOSS" TOPSHELLS
2009/10/20	F	1. ADDED CABLE BEND TABLE TO SHEET 2
		2. MOVED P/N CHART TO SHEET 3 AND REVISION HISTORY TO SHEET 4
		3. ADDED TEXTS "P/N:" AND "S/N:" ON LABEL
2009/12/11	G	1. ADDED NEW P/N 74757-1031 TO CHART ON SHEET 3.

ENTER DESCRIPTION
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DRWN:FZHANG01_USY 2009/12/22
CHKD:C. BILL 2009/12/22
APPR:RMAHMOOD 2009/12/22
DESCRIPTION
REV
G

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DRAWN BY: CHIRSCHY DATE: 2007/04/24
CHECKED BY: BRUSSELL DATE: 2007/04/24
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TITLE: QSFP CABLE ASSEMBLY

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SHEET NO.: 4 OF 4
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