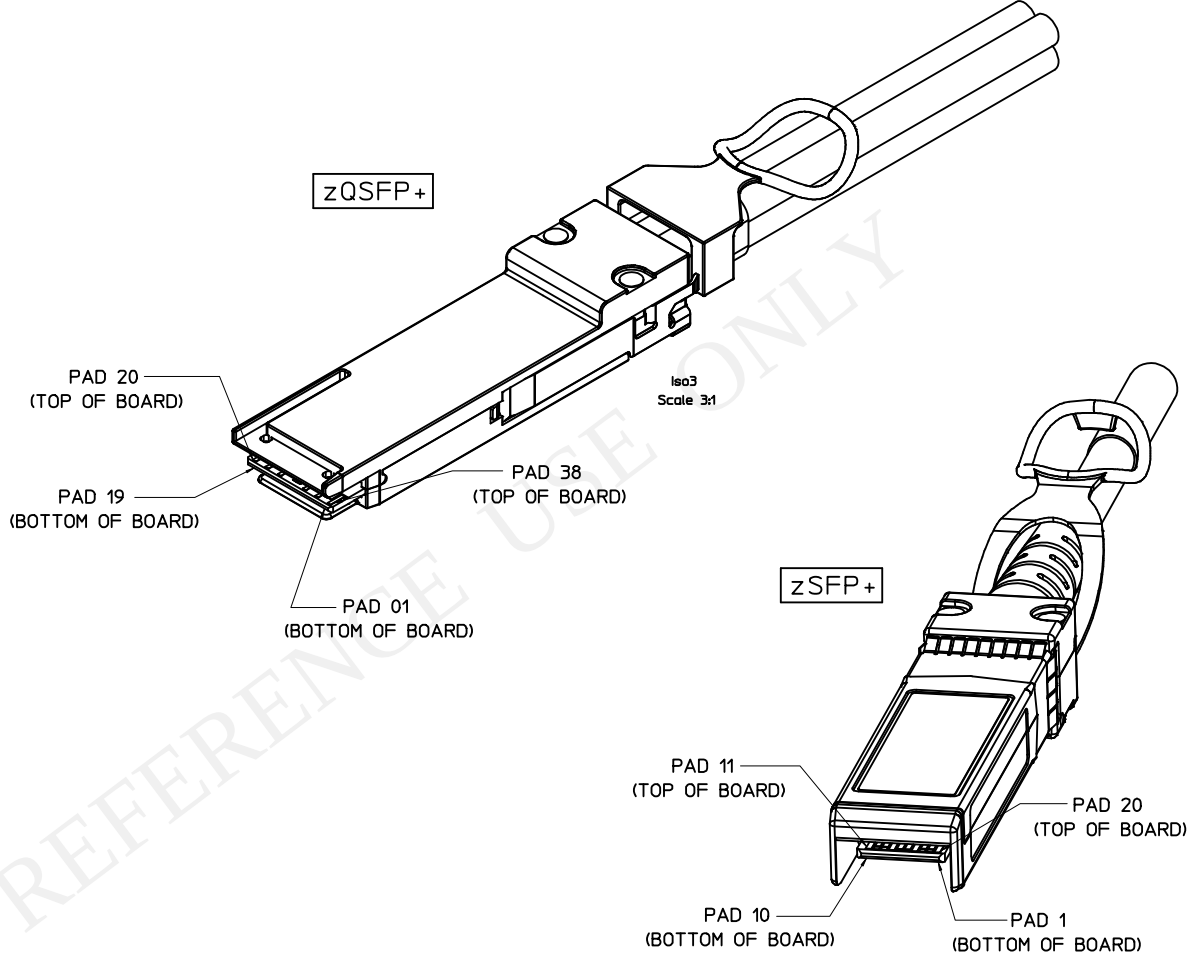


WIRING DIAGRAM				
zQSFP+		zSFP+		
PAD	SIGNAL	SIGNAL	PAD	PLUG
38	GND	----	GND	A
37	TX1-	---->	RD-	
36	TX1+	---->	RD+	
16	GND	----	GND	
17	RX1+	<----	TD+	B
18	RX1-	<----	TD-	
04	GND	----	GND	
02	TX2-	---->	RD-	
03	TX2+	---->	RD+	C
23	GND	----	GND	
22	RX2+	<----	TD+	
21	RX2-	<----	TD-	
35	GND	----	GND	D
34	TX3-	---->	RD-	
33	TX3+	---->	RD+	
13	GND	----	GND	
14	RX3+	<----	TD+	
15	RX3-	<----	TD-	
07	GND	----	GND	
05	TX4-	---->	RD-	
06	TX4+	---->	RD+	
26	GND	----	GND	
25	RX4+	<----	TD+	
24	RX4-	<----	TD-	

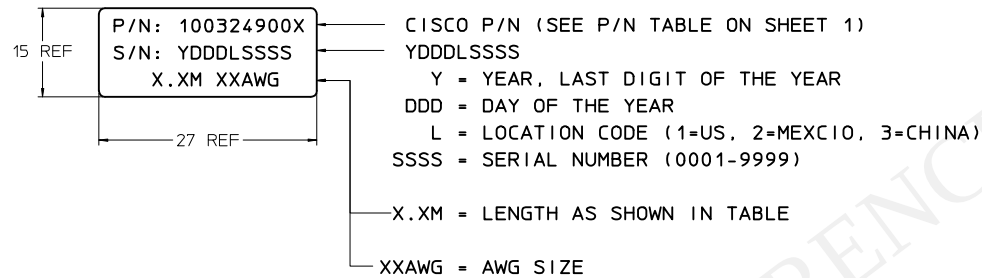
LOW SPEED SIGNALS	
zQSFP+	
PAD	SIGNAL
08	ModSelL
09	ResetL
10	VccRx
11	SCL
12	SDA
27	ModPrsL
28	IntL
29	VccTx
30	Vcc1
31	LPMode

LOW SPEED SIGNALS	
zSFP+	
PAD	SIGNAL
02	Tx_Fault
03	Tx_Disable
04	SDA
05	SCL
06	Mod_ABS
07	RS0
08	Rx_LOS
09	RS1
15	VccR
16	VccT

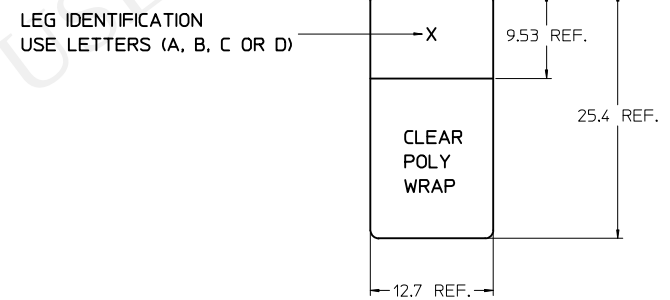


SEE REVISION TABLE	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS		THIRD ANGLE PROJECTION	
				MM ONLY		4:1	METRIC			
	▽=0		mm	INCH	DRAWN BY	DATE	TITLE ZQSFP+ TO (4X) ZSFP+ 25G PASSIVE CBL ASSY FOR CISCO molex			
	▽=0	4 PLACES	±---	±---	BCHEN06_USY	2014/07/11				
	▽=0	3 PLACES	±---	±---	CHECKED BY	DATE				
	▽=0	2 PLACES	±---	±---	CHIRSCHY	2014/07/11				
		1 PLACE	±---	±---	APPROVED BY	DATE	DOCUMENT NO. RSD-100324-9001			
		0 PLACE	±---	±---	BCHEN06_USY	2014/07/30				
					MATERIAL NO.					
			ANGULAR ±---		SEE P/N TABLE		SHEET NO. 2 OF 4			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION								

CABLE ID LABEL



ZSFP+ END LEG LABELS

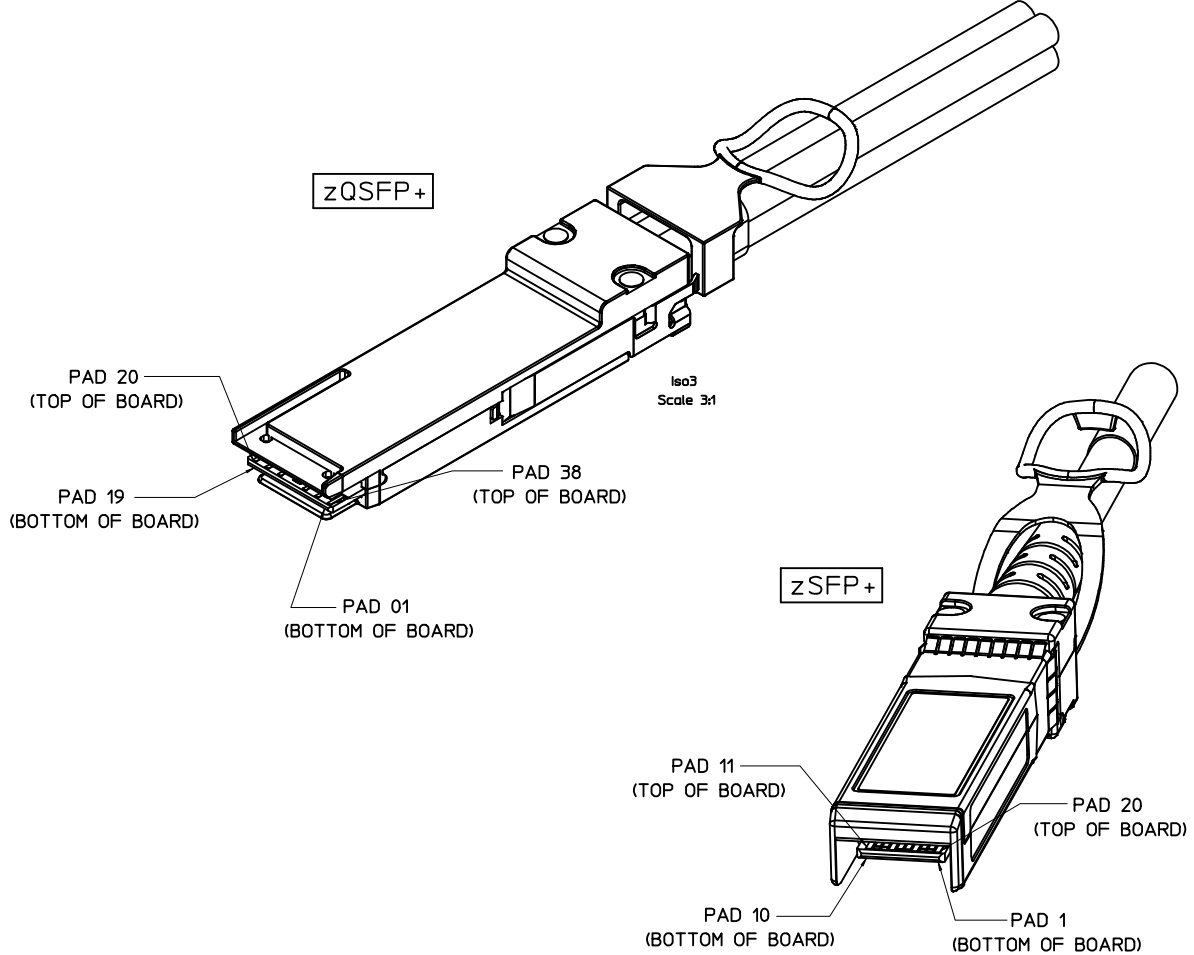


FOR REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
SEE REVISION TABLE		▽=0		mm		MM ONLY		1:1		METRIC		THIRD ANGLE PROJECTION	
IEC NO: CPG2015-0377		▽=0		INCH		DRAWN BY		DATE		TITLE		ZQSFP+ TO (4X) ZSFP+ 25G PASSIVE CBL ASSY FOR CISCO	
2		▽=0		4 PLACES		BCHEN06_USY		2014/07/11		CHECKED BY		DATE	
DRWN:BCHEN06_USY		▽=0		3 PLACES		CHIRSCHY		2014/07/11		APPROVED BY		DATE	
CHKD:CHIRSCHY		▽=0		2 PLACES		BCHEN06_USY		2014/07/30		MATERIAL NO.		DOCUMENT NO.	
APPR:BCHEN06_USY				1 PLACE		SEE P/N TABLE		RSD-100324-9001		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SHEET NO.	
REV				0 PLACE		SIZE		3 OF 4					
				ANGULAR ±									
				DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									

WIRING DIAGRAM				
zQSFP+		zSFP+		
PAD	SIGNAL	SIGNAL	PAD	PLUG
38	GND	----	GND	A
37	TX1-	---->	RD-	
36	TX1+	---->	RD+	
16	GND	----	GND	
17	RX1+	<----	TD+	
18	RX1-	<----	TD-	B
04	GND	----	GND	
02	TX2-	---->	RD-	
03	TX2+	---->	RD+	
23	GND	----	GND	
22	RX2+	<----	TD+	C
21	RX2-	<----	TD-	
35	GND	----	GND	
34	TX3-	---->	RD-	
33	TX3+	---->	RD+	
13	GND	----	GND	D
14	RX3+	<----	TD+	
15	RX3-	<----	TD-	
07	GND	----	GND	
05	TX4-	---->	RD-	
06	TX4+	---->	RD+	
26	GND	----	GND	
25	RX4+	<----	TD+	
24	RX4-	<----	TD-	

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

LOW SPEED SIGNALS	
zSFP+	
PAD	SIGNAL
02	Tx_Fault
03	Tx_Disable
04	SDA
05	SCL
06	Mod_ABS
07	RS0
08	Rx_LOS
09	RS1
15	VccR
16	VccT



SEE REVISION TABLE	DESCRIPTION	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION		
					MM ONLY		4:1	METRIC			
		▽=0	4 PLACES	±---	±---	DRAWN BY	DATE	TITLE		ZQSFP+ TO (4X) ZSFP+ 25G PASSIVE CBL ASSY FOR CISCO	
		▽=0	3 PLACES	±---	±---	CHEEN06_USY	2014/09/10				
		▽=0	2 PLACES	±---	±---	CHECKED BY	DATE				
			1 PLACE	±---	±---	GBWALZ	2014/09/10				
			0 PLACE	±	±	APPROVED BY	DATE				
			ANGULAR ±---		±---	CHIRSCHY	2015/02/20	moLEX			
			DRAFT WHERE APPLICABLE		MUST REMAIN WITHIN DIMENSIONS	SEE P/N TABLE				DOCUMENT NO.	RSD-100345-9001
						SIZE D	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			SHEET NO.	2 OF 4

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

M

L

K

J

I

H

G

F

E

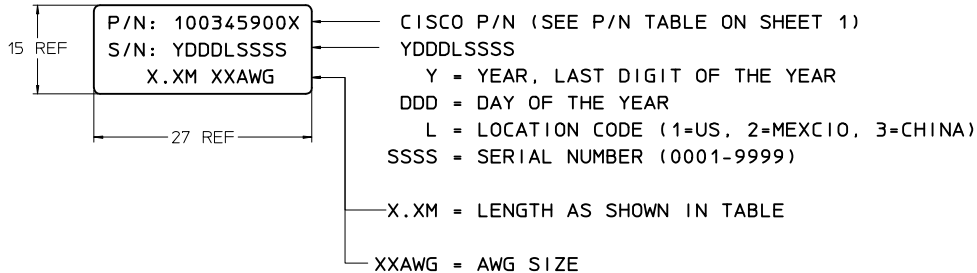
D

C

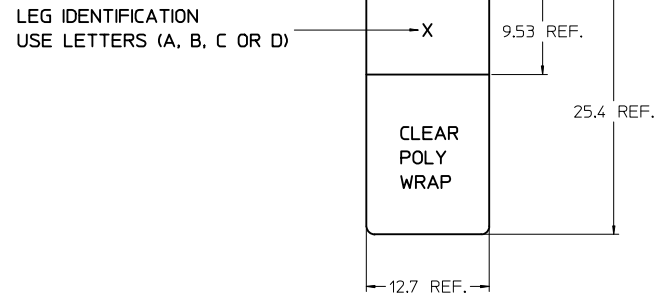
B

A

CABLE ID LABEL

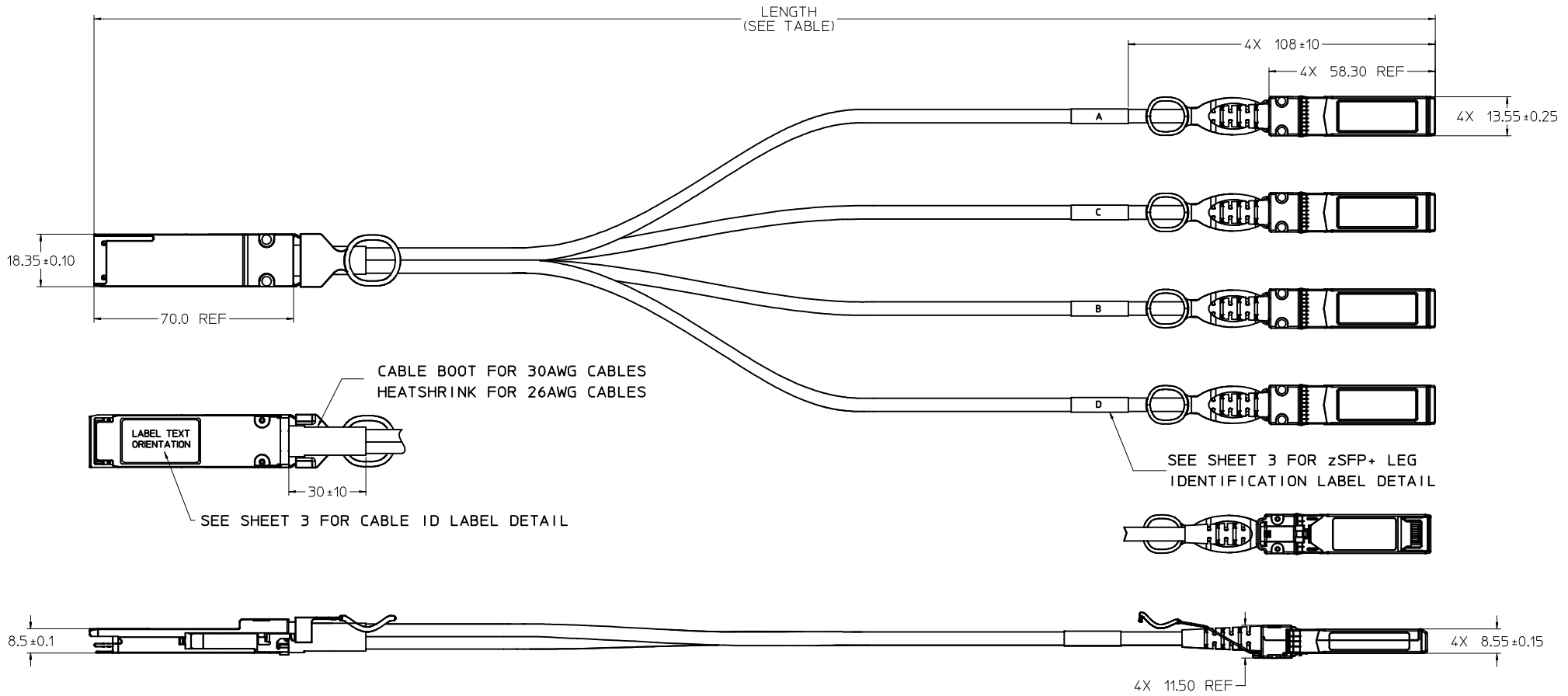


ZSFP+ END LEG LABELS



SEE REVISION TABLE EC NO: CPG2015-4375 2 DRAWN BY: B'CHEN06_USY 2015/02/13 CHKD BY: B'CHEN05_USY 2015/02/13 APPR: CHIRSCHY 2015/02/20	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE ZQSFP+ TO (4X) ZSFP+ 25G PASSIVE CBL ASSY FOR CISCO
		mm	INCH	DRAWN BY	DATE				
		4 PLACES ± ---	± ---	B'CHEN06_USY	2014/09/10				
		3 PLACES ± ---	± ---	CHECKED BY	DATE				
		2 PLACES ± ---	± ---	GBWALZ	2014/09/10				
		1 PLACE ± ---	± ---	APPROVED BY	DATE				
		0 PLACE ±	±	CHIRSCHY	2015/02/20				
		ANGULAR ± ---°		MATERIAL NO.		DOCUMENT NO.			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE		RSD-100345-9001			
				SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1



NOTES:

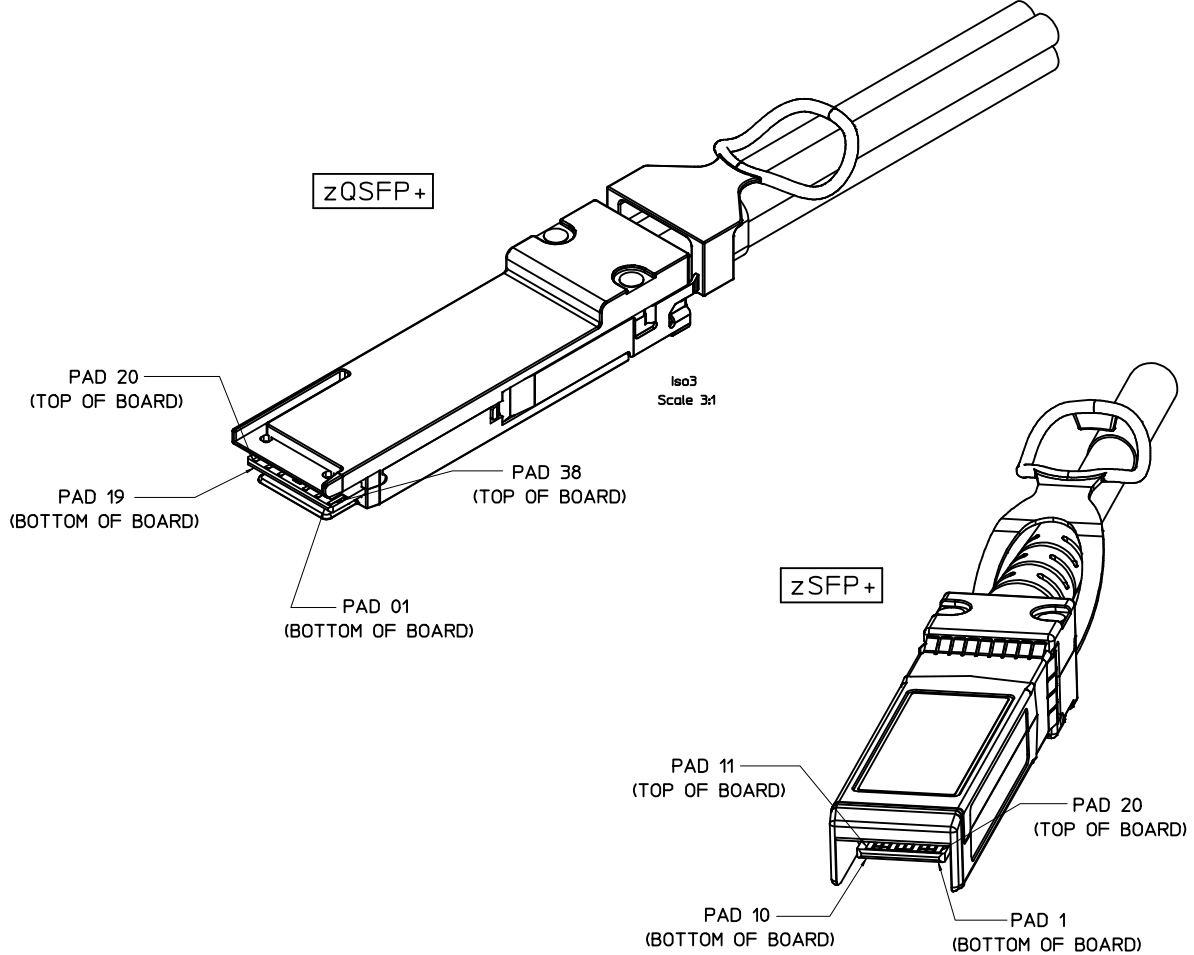
- MATERIALS:
 - RAW CABLE - 2 TWIN-AX PAIRS, PVC JACKET
 - PCB - HALOGEN FREE, UL94 V-0
 - BACKSHELLS - ZINC DIECAST WITH BRIGHT NICKEL PLATING
 - RIVETS - STAINLESS STEEL
- IMPEDANCE - 100 OHMS DIFFERENTIAL
- RoHS COMPLIANT, NO EXEMPTIONS.

CHNG CABLE GAUGE EC NO: CPG2015-6412 DRAWN BY: BCHEN06_USY 2015/06/05 CHECKED BY: CHYKHATFIELD 2015/06/11 APPROVED BY: CHIRSCHY 2015/06/12	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 1.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
			mm	INCH		DRAWN BY	DATE	TITLE ZQSFP+ TO (4X) ZSFP+ 25G PASSIVE CBL ASSY molex DOCUMENT NO. SD-100345-0001		
		4 PLACES	±	±	±	BCHEN06_USY	2015/02/13			
		3 PLACES	±	±	±	CHECKED BY	DATE			
		2 PLACES	±	±	±	BHATFIELD	2015/02/13			
	1 PLACE	±	±	±	APPROVED BY	DATE	SHEET NO. 1 OF 3			
	0 PLACE	±	±	±	CHIRSCHY	2015/02/20				
		ANGULAR ±---°				MATERIAL NO.				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE P/N TABLE		SD-100345-0001		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

WIRING DIAGRAM				
zQSFP+		zSFP+		
PAD	SIGNAL	SIGNAL	PAD	PLUG
38	GND	----	GND	A
37	TX1-	---->	RD-	
36	TX1+	---->	RD+	
16	GND	----	GND	
17	RX1+	<----	TD+	B
18	RX1-	<----	TD-	
04	GND	----	GND	
02	TX2-	---->	RD-	
03	TX2+	---->	RD+	C
23	GND	----	GND	
22	RX2+	<----	TD+	
21	RX2-	<----	TD-	
35	GND	----	GND	D
34	TX3-	---->	RD-	
33	TX3+	---->	RD+	
13	GND	----	GND	
14	RX3+	<----	TD+	
15	RX3-	<----	TD-	
07	GND	----	GND	
05	TX4-	---->	RD-	
06	TX4+	---->	RD+	
26	GND	----	GND	
25	RX4+	<----	TD+	
24	RX4-	<----	TD-	

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

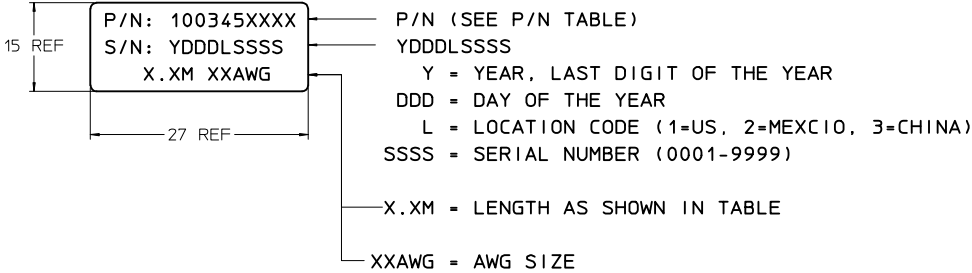
LOW SPEED SIGNALS	
zSFP+	
PAD	SIGNAL
02	Tx_Fault
03	Tx_Disable
04	SDA
05	SCL
06	Mod_ABS
07	RS0
08	Rx_LOS
09	RS1
15	VccR
16	VccT



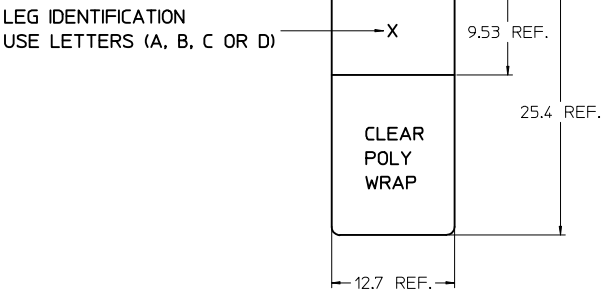
CHNG CABLE GAUGE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
IEC NO: CPG2015-6412		DRAWN BY: BCHEN06_USY		DATE: 2015/02/13		MM ONLY		4:1		METRIC		ISO 1	
CHECKED BY: CHYDORHATFIELD		DATE: 2015/06/11		APPROVED BY: CHIRSCHY		DATE: 2015/02/20		MATERIAL NO:		DOCUMENT NO:		SHEET NO:	
4 PLACES ±---		3 PLACES ±---		2 PLACES ±---		1 PLACE ±---		0 PLACE ±		ANGULAR ±---		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
TITLE: ZQSFP+ TO (4X) ZSFP+ 25G PASSIVE CBL ASSY		SEE P/N TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		SD-100345-0001		2 OF 3					

MOLEX P/N	CABLE LENGTH(M)	AWG
1003451051	0.5 ± 0.03	30
1003451101	1.0 ± 0.05	30
1003451151	1.5 ± 0.05	30
1003451201	2.0 ± 0.05	30
1003451251	2.5 ± 0.05	30
1003451301	3.0 ± 0.05	30
1003453301	3.0 ± 0.05	26
1003453351	3.5 ± 0.05	26
1003453401	4.0 ± 0.05	26
1003453451	4.5 ± 0.05	26
1003453501	5.0 ± 0.08	26

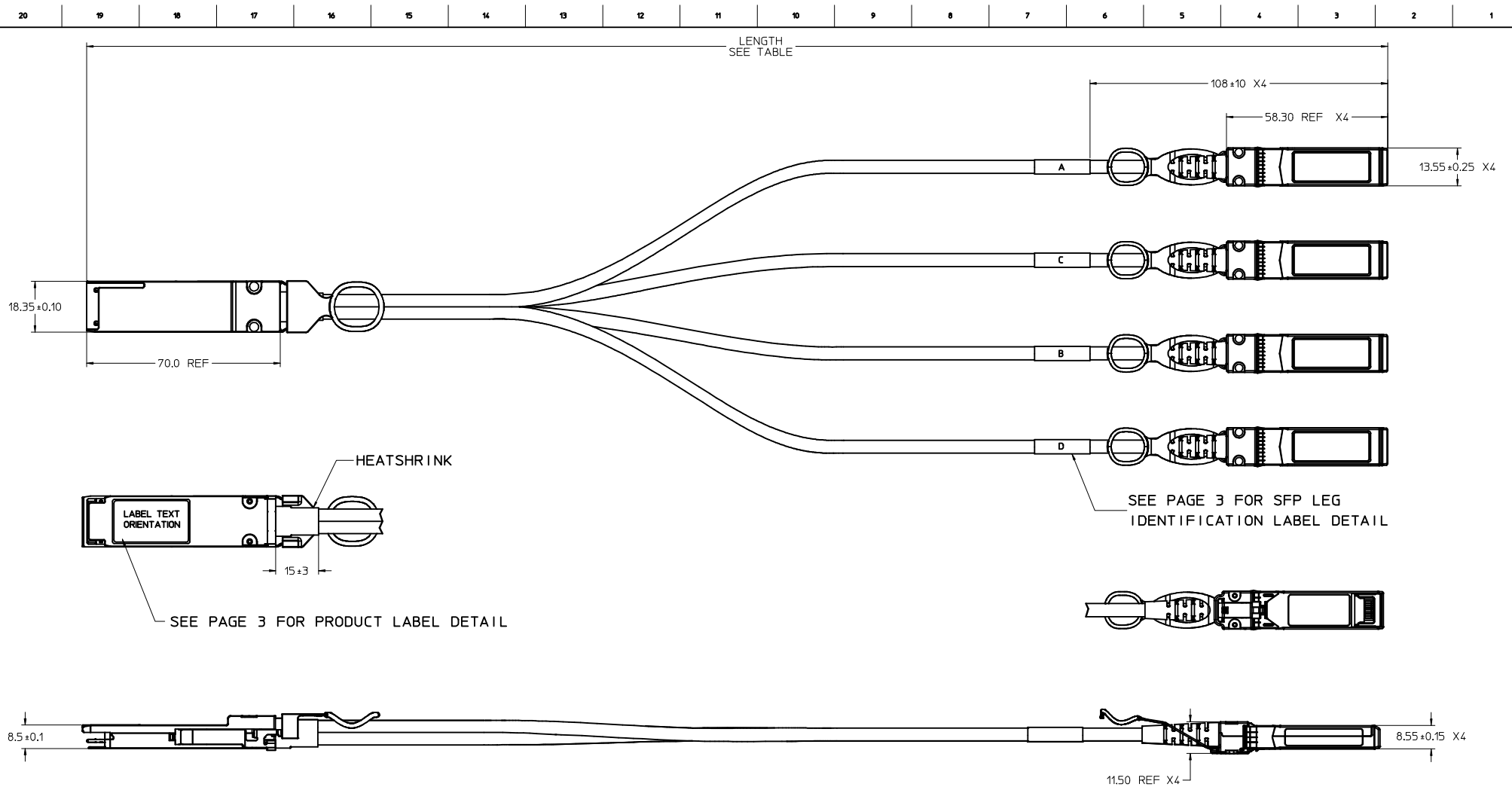
CABLE ID LABEL



ZSFP+ END LEG LABELS



CHNG CABLE GAUGE EC NO: CPG2015-6412 DRAWN BY: BCHEN06_USY 2015/06/05 CHECKED BY: CHYDORHATFIELD 2015/06/11 APPROVED BY: CHIRSCHY 2015/06/12	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- 0 PLACE ± ± ANGULAR ± ---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE ZQSFP+ TO (4X) ZSFP+ 25G PASSIVE CBL ASSY	DOCUMENT NO. SD-100345-0001	SHEET NO. 3 OF 3



NOTES:

1. MATERIALS:

BACKSHELLS - ZINC DIE CAST WITH BRIGHT NICKEL PLATING
DELATCH - STAINLESS STEEL AND OVERMOLDED NYLON
PCB - FR4
RIVETS - STAINLESS STEEL

2. IMPEDANCE - 100 OHMS DIFFERENTIAL

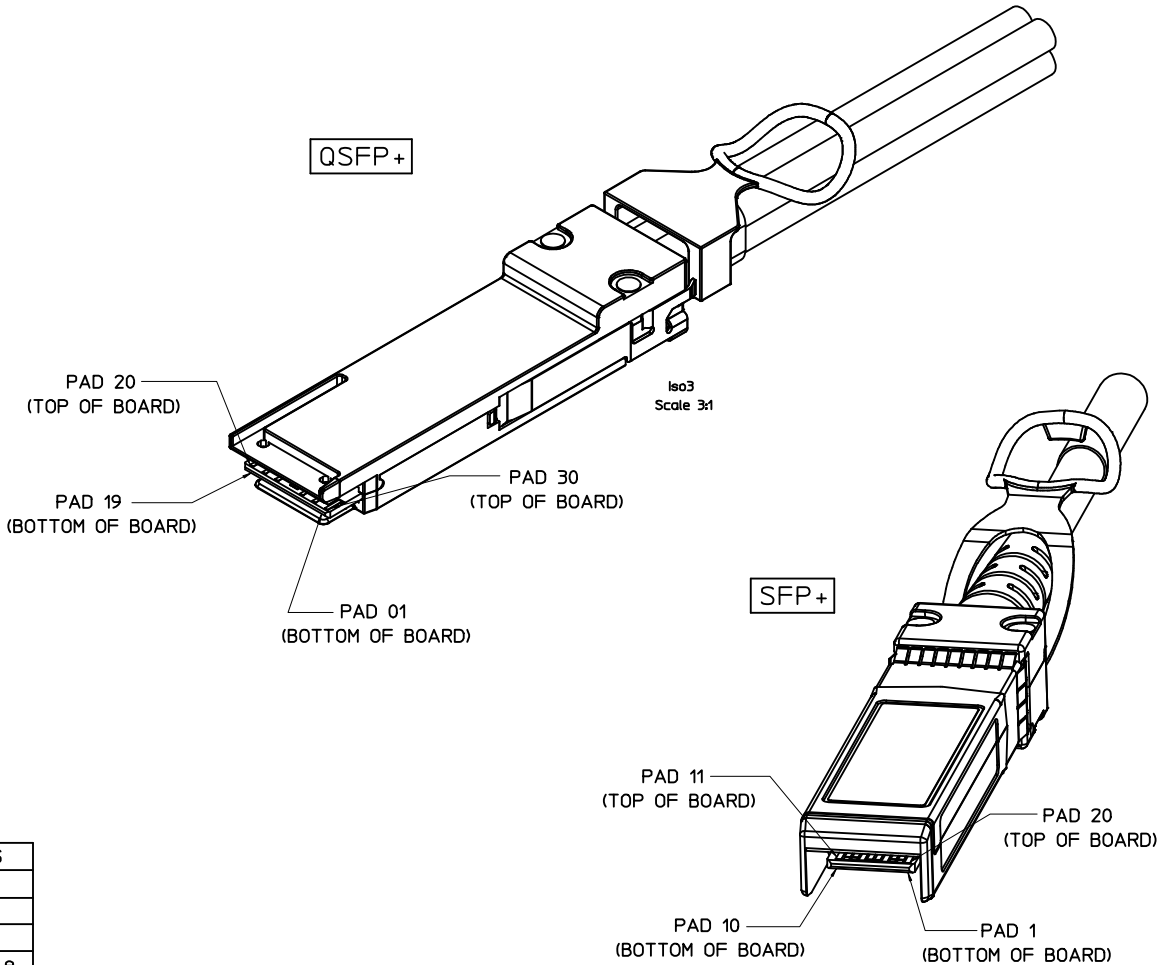
3. RoHS COMPLIANT, WITH EXEMPTIONS.

SEE SHEET 3 FOR PART NUMBER TABLE

ADDED 747641251		2015/04/08		2015/04/08		2015/04/02		2015/04/02		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
EC NO: CPG2015-5225		D		DRW MEDINA		CHKD ARABORN		APPR ARABORN		DESCRIPTION				MM ONLY		1:1		METRIC			
										▽=0		4 PLACES ± ---		mm		DATE		TITLE		QSF+ TO (4) SFP+	
										▽=0		3 PLACES ± ---		INCH		DATE				10G PASSIVE	
										▽=0		2 PLACES ± 0.13				DATE				CABLE ASSEMBLY	
												1 PLACE ± 0.25				DATE				molex	
												0 PLACE ±				DATE				SD-74764-001	
												ANGULAR ± ---				DATE				1 OF 3	
												DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE P/N TABLE					
														SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

WIRING DIAGRAM				
QSFP+			SFP+	
PAD	SIGNAL		SIGNAL	PAD PLUG
38	GND	----	GND	A
37	TX1-	---->	RD-	
36	TX1+	---->	RD+	
16	GND	----	GND	
17	RX1+	<----	TD+	
18	RX1-	<----	TD-	B
04	GND	----	GND	
02	TX2-	---->	RD-	
03	TX2+	---->	RD+	
23	GND	----	GND	
22	RX2+	<----	TD+	C
21	RX2-	<----	TD-	
35	GND	----	GND	
34	TX3-	---->	RD-	
33	TX3+	---->	RD+	
13	GND	----	GND	D
14	RX3+	<----	TD+	
15	RX3-	<----	TD-	
07	GND	----	GND	
05	TX4-	---->	RD-	
06	TX4+	---->	RD+	
26	GND	----	GND	
25	RX4+	<----	TD+	
24	RX4-	<----	TD-	

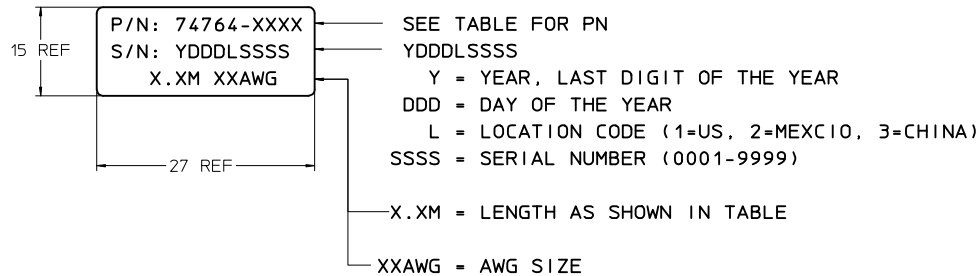


LOW SPEED SIGNALS	
QSFP+	
PAD	SIGNAL
08	ModSelL
09	ResetL
10	VccRx
11	SCL
12	SDA
27	ModPrsL
28	IntL
29	VccTx
30	Vcc1
31	LPMode

LOW SPEED SIGNALS	
SFP+	
PAD	SIGNAL
02	Tx_Fault
03	Tx_Disable
04	SDA
05	SCL
06	Mod_ABS
07	RS0
08	Rx_LOS
09	RS1
15	VccR
16	VccT

ADDED 747641251 EC NO: CPG2015-5225 DRAWN BY CHYKORABURN 2015/04/01 CHECKED BY CHYKORABURN 2015/04/02 APPROVED BY CHYKORABURN 2015/04/02	QUALITY SYMBOLS	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 4:1	DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
				mm	INCH	DRAWN BY DATE		TITLE			
			4 PLACES	±	---	BCHEN06_USY	2010/10/18	QSFP+ TO (4) SFP+ 10G PASSIVE CABLE ASSEMBLY			
			3 PLACES	±	---	CHECKED BY DATE					
			2 PLACES	±	---	KLOYD	2010/10/18				
			1 PLACE	±	0.25	APPROVED BY DATE					
			0 PLACE	±	---	RMAHMOOD	2010/10/28				
			ANGULAR ±---°		MATERIAL NO.		DOCUMENT NO.				
			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE P/N TABLE		SD-74764-001		SHEET NO. 2 OF 3		
		REV	SIZE D		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						

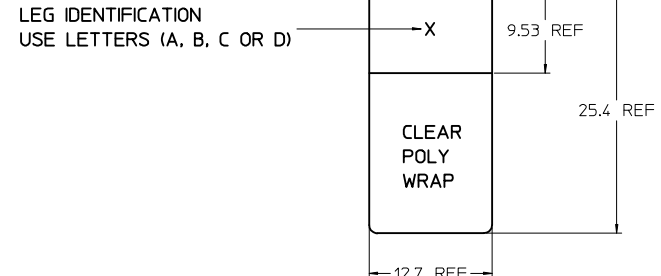
PRODUCT LABEL DETAIL



PART NUMBER TABLE

MOLEX P/N	LENGTH	TOL .	AWG
747641051	0.5M	±0.03M	30
747641101	1.0M	±0.05M	30
747641201	2.0M	±0.05M	30
747641251	2.5M	±0.05M	30
747641301	3.0M	±0.05M	30
747641401	4.0M	±0.05M	30
747642201	2.0M	±0.05M	28
747642301	3.0M	±0.05M	28
747642331	3.3M	±0.05M	28
747642351	3.5M	±0.05M	28
747642371	3.7M	±0.05M	28
747642401	4.0M	±0.05M	28
747642501	5.0M	±0.05M	28

SFP LEG IDENTIFICATION LABEL DETAIL



ADDED 747641251 IEC NO: CPG2015-5225 DRAWN BY: CHYDARABURN CHECKED BY: APPR:ARABURN DATE: 2015/04/01 DATE: 2015/04/02	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE	DESIGN UNITS	 THIRD ANGLE PROJECTION		
					MM ONLY		1:1	METRIC			
					DRAWN BY		DATE	TITLE			
					BCHEN06_USY		2010/10/18	QSFP+ TO (4) SFP+ 10G PASSIVE CABLE ASSEMBLY			
					CHECKED BY		DATE	molex			
					KLOYD		2010/10/18				
					APPROVED BY		DATE				
					RMAHMOOD		2010/10/28				
					ANGULAR ±---°		MATERIAL NO.			DOCUMENT NO.	SHEET NO.
					SEE P/N TABLE		SD-74764-001			3 OF 3	
		SIZE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							