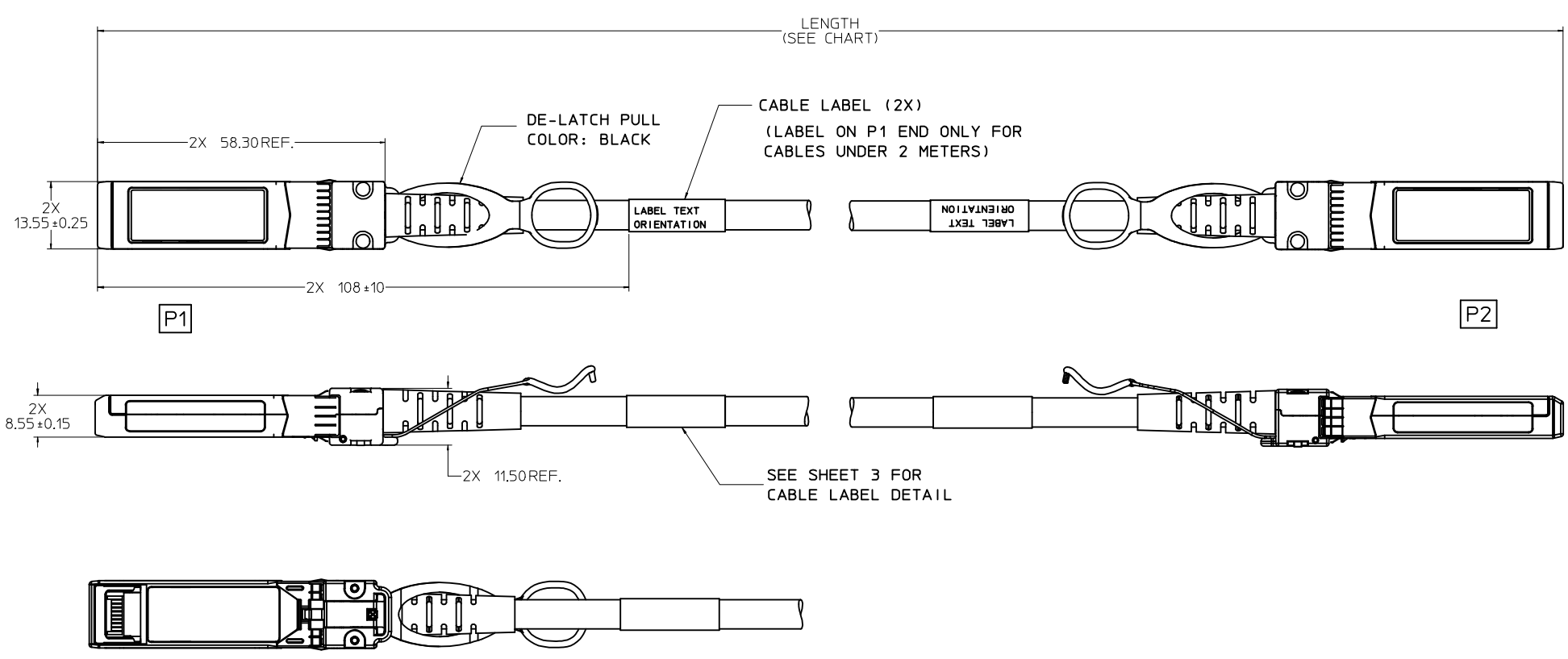




- NOTES:
- MATERIALS
 - BACKSHELLS - NICKEL PLATED ZINC
 - DE-LATCH - PLASTIC
 - PCB - HALOGEN FREE, UL94 V-0
 - RIVETS - STAINLESS STEEL
 - IMPEDANCE - 100 OHMS DIFFERENTIAL, PASSIVE
 - PULL TO RELEASE, PLUNGER STYLE LATCH
 - EACH ASSEMBLY HAS A SERIAL ID
 - RoHS COMPLIANT, NO EXEMPTIONS.

SEE REVISION TABLE EC NO: CPG2016-0351 DRAWN BY: B'CHEN06_USY CHKD: CHYD APPR: CHIRSCY REV: 2015/07/28 A	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)				DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION
						DRAWN BY DATE		TITLE		
		4 PLACES ± ± ± ±				8CHEN06_USY 2014/10/07		ZSFP+ TO ZSFP+ 28G		
		3 PLACES ± ± ± ±				CHECKED BY DATE		PASSIVE CABLE ASSEMBLY		
		2 PLACES ± 0.13 ± ± ± ±				BHATFIELD 2014/10/07				
		1 PLACE ± 0.25 ± ± ± ±				APPROVED BY DATE				
		0 PLACE ± ± ± ±				CHIRSCY 2015/07/28				
		ANGULAR ± 2 °				MATERIAL NO.		DOCUMENT NO.		
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				SEE P/N TABLE		SD-111145-0001		
						SIZE D				
								SHEET NO. 1 OF 4		
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										

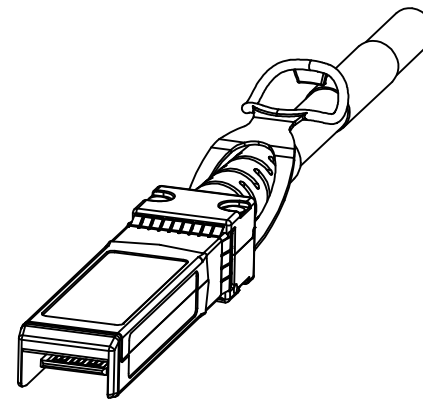
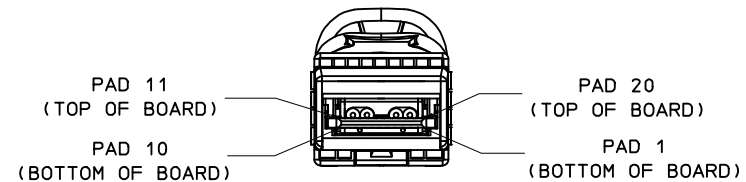
WIRING DIAGRAM					
P1 END			P2 END		
PAD	SIGNAL		PAD	SIGNAL	
12	RD-	<----	19	TD-	
13	RD+	<----	18	TD+	
18	TD+	----->	13	RD+	
19	TD-	----->	12	RD-	
02	Tx_Fault	NC	02	Tx_Fault	NC
03	Tx_Disable	NC	03	Tx_Disable	NC
04	SDA	■	04	SDA	■
05	SCL	■	05	SCL	■
06	Mod_ABS	NC	06	Mod_ABS	NC
07	RS0	NC	07	RS0	NC
08	Rx_LOS	NC	08	Rx_LOS	NC
09	RS1	NC	09	RS1	NC
15	VccR	NC	15	VccR	NC
16	VccT	NC	16	VccT	NC

LEGEND:

-----> = THRU LINES

NC = NOT CONNECTED

■ = CONNECTION TO A DEVICE ON THE PCB



SEE REVISION TABLE		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
IEC NO: CPG2016-0351		▽=0		mm		MM ONLY		4:1		METRIC		⊙	
DRAWN BY: BCHEN06_USY		▽=0		INCH		DATE		DATE		DATE		DATE	
2015/07/28		▽=0		4 PLACES ±---		2014/10/07		2014/10/07		2014/10/07		2014/10/07	
CHKD: CHYD		▽=0		3 PLACES ±---		DATE		DATE		DATE		DATE	
APPR: CHIRSCHY		▽=0		2 PLACES ±0.13		2014/10/07		2014/10/07		2014/10/07		2014/10/07	
2015/07/28				1 PLACE ±0.25		DATE		DATE		DATE		DATE	
				0 PLACE ±		2015/07/28		2015/07/28		2015/07/28		2015/07/28	
						ANGULAR ± 2 °		DATE		DATE		DATE	
						DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		DATE		DATE		DATE	
						SEE P/N TABLE		DATE		DATE		DATE	
						THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		DATE		DATE		DATE	

ZSFP+ TO ZSFP+ 28G PASSIVE CABLE ASSEMBLY

molex

SD-111145-0001

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

M

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J

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D

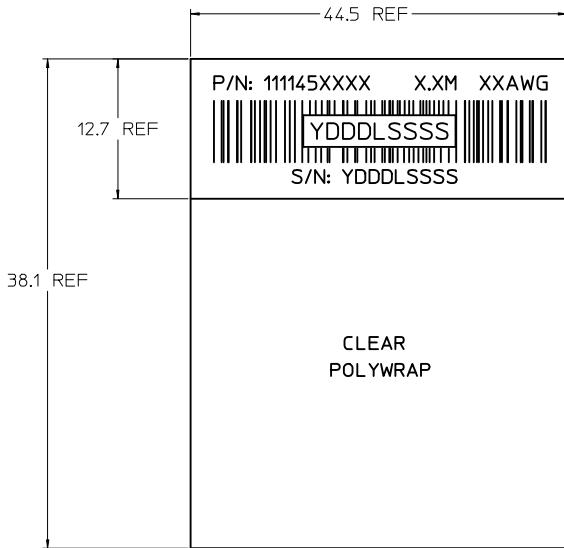
C

B

A

CABLE ID LABEL

PART NUMBER	LENGTH	TOL .	AWG
1111451031	0.3M	±0.03M	30
1111451051	0.5M	±0.05M	30
1111451101	1.0M	±0.05M	30
1111451201	2.0M	±0.05M	30
1111451251	2.5M	±0.05M	30
1111451301	3.0M	±0.05M	30
1111451401	4.0M	±0.05M	30
1111453301	3.0M	±0.05M	26
1111453401	4.0M	±0.05M	26
1111453501	5.0M	±0.08M	26
1111453601	6.0M	±0.08M	26
1111453701	7.0M	±0.08M	26
1111453801	8.0M	±0.08M	26
1111453901	9.0M	±0.08M	26
TBD	10.0M	±0.08M	26



P/N: SEE TABLE
S/N: Y = YEAR, LAST DIGIT OF YEAR
DDD = DAY OF THE YEAR
L = LOCATION - 1 = USA
2 = MEXICO
3 = CHINA
4 = PHILIPPINES

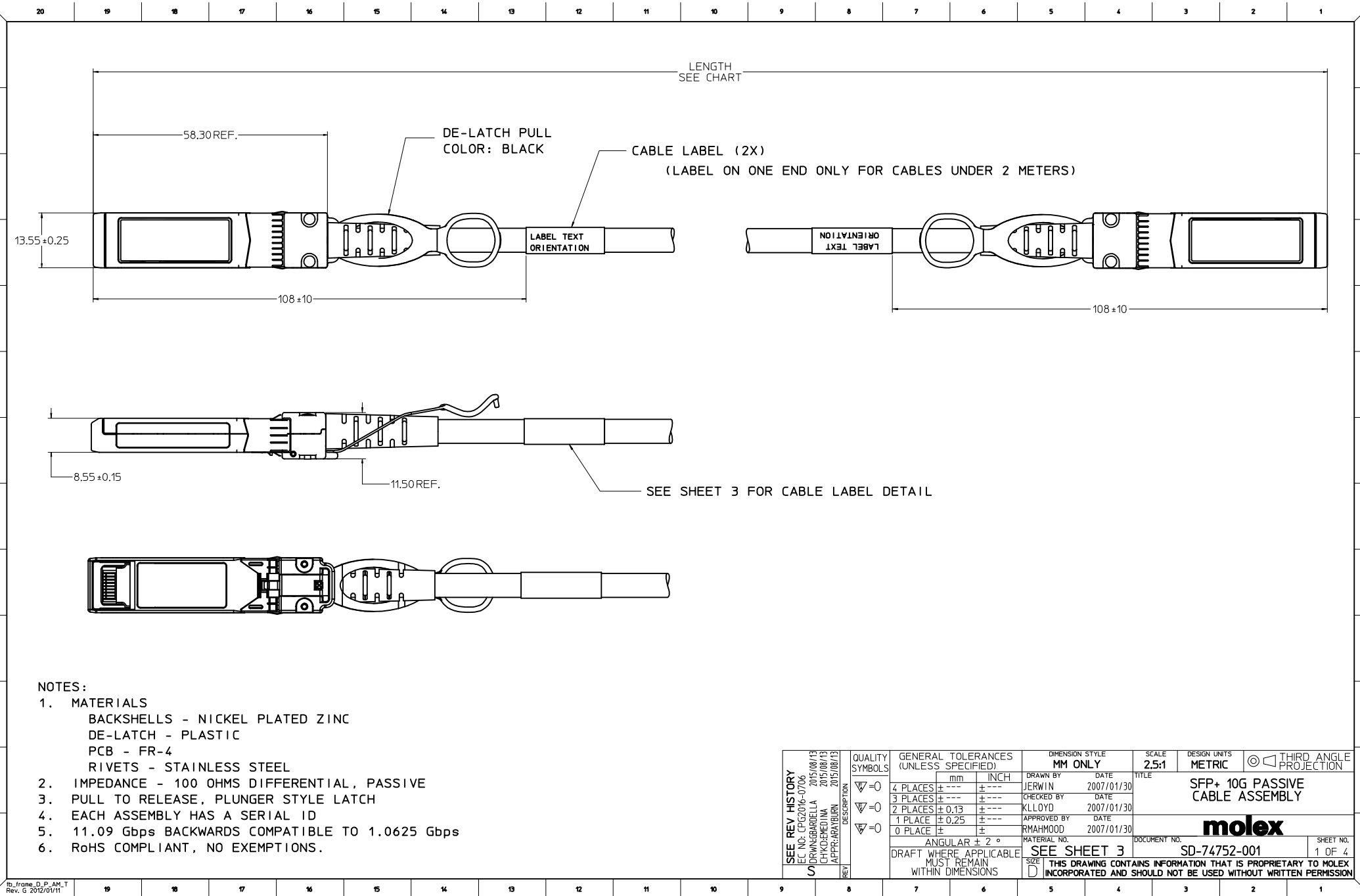
SSSS = SERIAL NUMBER
X.XM: CABLE LENGTH, SEE TABLE
XXAWG: WIRE GAGE, SEE TABLE

(DATE CODE ISO-8601 FORMAT)

NOTES :
CUSTOM CABLE LENGTH AND GAUGE AVAILABLE UPON REQUEST

SEE REVISION TABLE EC NO: CPG2016-0351 DRAWN BY: B. CHEN CHKD: CHYD APPR: CHIRSCY REV: A	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ± ANGULAR ± 2 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE ZSFP+ TO ZSFP+ 28G PASSIVE CABLE ASSEMBLY	molex	DOCUMENT NO. SD-111145-0001	SHEET NO. 3 OF 4

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



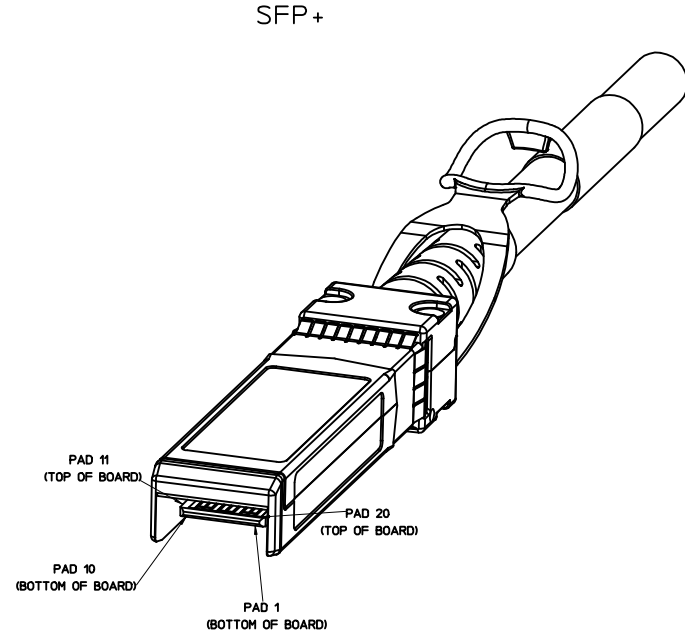
- NOTES:
1. MATERIALS
BACKSHELLS - NICKEL PLATED ZINC
DE-LATCH - PLASTIC
PCB - FR-4
RIVETS - STAINLESS STEEL
 2. IMPEDANCE - 100 OHMS DIFFERENTIAL, PASSIVE
 3. PULL TO RELEASE, PLUNGER STYLE LATCH
 4. EACH ASSEMBLY HAS A SERIAL ID
 5. 11.09 Gbps BACKWARDS COMPATIBLE TO 1.0625 Gbps
 6. RoHS COMPLIANT, NO EXEMPTIONS.

SEE REV HISTORY EC NO: CPG2016-0706 DRAWN BY: DRWNGBARDELLA CHECKED BY: CHYOEMED NA APPR: ARATURN REV: 2015/08/13 2015/08/13 2015/08/13	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ± ANGULAR ± 2 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY		SCALE 2.5:1	DESIGN UNITS METRIC	 THIRD ANGLE PROJECTION	TITLE SFP+ 10G PASSIVE CABLE ASSEMBLY molex DOCUMENT NO. SD-74752-001		
			DRAWN BY JERWIN		DATE 2007/01/30					
			CHECKED BY KLLOYD		DATE 2007/01/30					
			APPROVED BY RMAHMOOD		DATE 2007/01/30					
			MATERIAL NO.		SHEET NO. 1 OF 4					
			SEE SHEET 3							
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION							

WIRING DIAGRAM					
P1 END			P2 END		
PAD	SIGNAL		PAD	SIGNAL	
12	RD-	←	19	TD-	
13	RD+	←	18	TD+	
18	TD+	→	13	RD+	
19	TD-	→	12	RD-	

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

CUSTOM LENGTHS AVAILABLE.
LONGER LENGTH APPLICATIONS REQUIRE
HOST SYSTEM PRE-EMPHASIS AND
EQUALIZATION.
SEE DATASHEET FOR MORE INFORMATION.



SEE REV HISTORY		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE		SCALE		DESIGN UNITS		THIRD ANGLE PROJECTION	
IEC NO: CPG2016-0706	2015/08/13	DRWN:GARDIELLA	2015/08/13	CHYKED:EDINA	2015/08/13	APPR:ARATBIJRN	2015/08/13	mm	INCH	4:1	METRIC	mm	INCH
DRAWN BY		DATE		DRAWN BY		DATE		DRAWN BY		DATE		DRAWN BY	
JERWIN		2007/01/30		JERWIN		2007/01/30		JERWIN		2007/01/30		JERWIN	
CHECKED BY		DATE		CHECKED BY		DATE		CHECKED BY		DATE		CHECKED BY	
KLLOYD		2007/01/30		KLLOYD		2007/01/30		KLLOYD		2007/01/30		KLLOYD	
APPROVED BY		DATE		APPROVED BY		DATE		APPROVED BY		DATE		APPROVED BY	
RMAHMOOD		2007/01/30		RMAHMOOD		2007/01/30		RMAHMOOD		2007/01/30		RMAHMOOD	
MATERIAL NO.		DATE		MATERIAL NO.		DATE		MATERIAL NO.		DATE		MATERIAL NO.	
SEE SHEET 3		DATE		SEE SHEET 3		DATE		SEE SHEET 3		DATE		SEE SHEET 3	
DOCUMENT NO.		DATE		DOCUMENT NO.		DATE		DOCUMENT NO.		DATE		DOCUMENT NO.	
SD-74752-001		DATE		SD-74752-001		DATE		SD-74752-001		DATE		SD-74752-001	
SHEET NO.		DATE		SHEET NO.		DATE		SHEET NO.		DATE		SHEET NO.	
2 OF 4		DATE		2 OF 4		DATE		2 OF 4		DATE		2 OF 4	

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX
INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

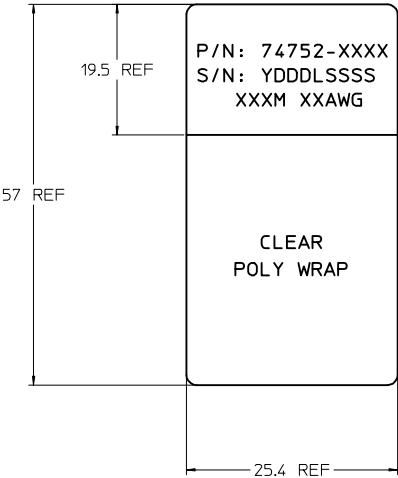
20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

PART NUMBER CHART

PART NUMBER	LENGTH	TOL.	AWG
747520010	0.3M	±0.03M	32
747520011	0.5M	±0.03M	32
747520012	1.0M	±0.05M	32
747520013	2.0M	±0.05M	32
747520014	3.0M	±0.05M	32
747520015	4.0M	±0.05M	32
747520016	5.0M	±0.08M	32
747521031	0.3M	±0.03M	30
747521051	0.5M	±0.03M	30
747521101	1.0M	±0.05M	30
747521151	1.5M	±0.05M	30
747521201	2.0M	±0.05M	30
747521251	2.5M	±0.05M	30
747521301	3.0M	±0.05M	30
747521401	4.0M	±0.05M	30
747521501	5.0M	±0.08M	30
747521601	6.0M	±0.08M	30
747521701	7.0M	±0.08M	30
747521801	8.0M	±0.08M	30
747521901	9.0M	±0.08M	30
747529001	10.0M	±0.08M	30
747522031	0.3M	±0.03M	28
747522051	0.5M	±0.03M	28
747522101	1.0M	±0.05M	28
747522151	1.5M	±0.05M	28
747522201	2.0M	±0.05M	28
747522301	3.0M	±0.05M	28
747522401	4.0M	±0.05M	28
747522501	5.0M	±0.08M	28
747522701	7.0M	±0.08M	28
747522801	8.0M	±0.08M	28
747522901	9.0M	±0.08M	28
747529002	10.0M	±0.08M	28
747529010	15.0M	±0.08M	28

PART NUMBER	LENGTH	TOL.	AWG
747523051	0.5M	±0.03M	26
747523061	0.6M	±0.03M	26
747523101	1.0M	±0.05M	26
747523201	2.0M	±0.05M	26
747523301	3.0M	±0.05M	26
747523501	5.0M	±0.08M	26
747523701	7.0M	±0.08M	26
747523901	9.0M	±0.08M	26
747529003	10.0M	±0.08M	26
747529225	1.6M	±0.05M	26
747529226	1.75M	±0.05M	26
747529227	2.25M	±0.05M	26
747524051	0.5M	±0.03M	24
747524101	1.0M	±0.05M	24
747524201	2.0M	±0.05M	24
747524301	3.0M	±0.05M	24
747524401	4.0M	±0.05M	24
747524501	5.0M	±0.08M	24
747524541	5.4M	±0.08M	24
747524571	5.7M	±0.08M	24
747524601	6.0M	±0.08M	24
747524701	7.0M	±0.08M	24
747524801	8.0M	±0.08M	24
747524901	9.0M	±0.08M	24
747529004	10.0M	±0.08M	24
747529013	11.0M	±0.08M	24
747529008	12.0M	±0.08M	24
747529015	13.0M	±0.08M	24
747529016	14.0M	±0.08M	24
747529007	15.0M	±0.08M	24

CABLE LABEL DETAIL



YDDDLSSSS
Y---YEAR, THE LAST DIGIT OF THE YEAR
DDD---DAY OF THE YEAR
L---LOCATION (1=US, 2=MEXICO, 3=CHINA, 4=PHILIPPINES)
SSSS---SERIAL NUMBER (UNIQUE AT P/N LEVEL ONLY)

XXXM---LENGTH AS SHOWN IN P/N CHART

XXAWG---AWG SIZE

SEE REV HISTORY EC NO: CPG2016-0706 DRAWN BY: JERWIN CHECKED BY: KLOYD APPROVED BY: RMAHMOOD DATE: 2015/08/13 DATE: 2015/08/13 DATE: 2015/08/13	QUALITY SYMBOLS ▽=0 ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED) 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.13 ± --- 1 PLACE ± 0.25 ± --- 0 PLACE ± ± ANGULAR ± 2 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	DIMENSION STYLE MM ONLY DRAWN BY: JERWIN CHECKED BY: KLOYD APPROVED BY: RMAHMOOD DATE: 2015/08/13 DATE: 2015/08/13 DATE: 2015/08/13	SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	TITLE SFP+ 10G PASSIVE CABLE ASSEMBLY	DOCUMENT NO. SD-74752-001	SHEET NO. 3 OF 4

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

