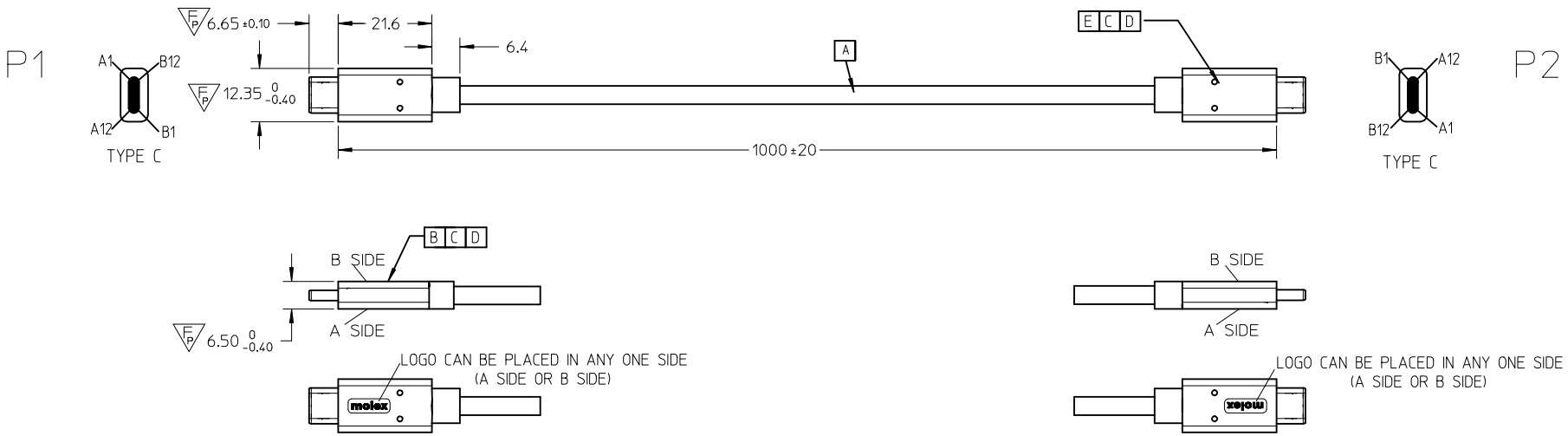
REVISIONS				
EC NO	DATE	REV	DESCRIPTION	CHANGER
CY16-6036	2016/07/21	E	CHANGE INNER MOLDING RESIN FROM LDPE TO HDPE	LUCY
CY16-6438	2016/09/27	F	CHANGE TITLE, UPDATE OUTERMOLD DIMENSIONS: 21.6MM WAS 23.0MM; 6.4MM WAS 5.0MM	LUCY
CY17-5223	2017/02/24	G	CHANGE INNER MOLDING RESIN	LUCY



ITEM	DESCRIPTION	QTY.
E	PCBA,USB Type C paddel card w/o Emarker	1
D	Type C stamping up shell for OD4.6&4.8	2
C	Typec stamping bottom shell for OD4.6	2
B	PCBA, USB Type C to Type C, 3.0/3.1, 3A	1
A	(5P+4C)X32+2CX28;SHD;PVC;BK;4.8MM;UL2725	AR

3A, 500mV/Vbus, 250mV/GND
CURRENT/DROP VOLTAGE

ENTER DESCRIPTION
EC NO: CPG2017-1139 2017/02/25
DRWN:XJGU001 2017/02/25
CHKD:LUCY 2017/02/26
APPR:FNIE
DESCRIPTION
G
REV

QUALITY SYMBOLS
$\sqrt{F_A}$=0
$\sqrt{F_C}$=0
$\sqrt{F_P}$=3

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.5	± ---
0 PLACE	± ---	± ---

ANGULAR ±---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

		DATE
DRAWN BY	XJGU001	2015/12/03
CHECKED BY	LUCY	2015/12/03
APPROVED BY	FNIE	2015/12/03

TITLE: USB TYPE C TO C 3.1 GEN 1, L=1M, 3A

molex

MATERIAL NO.: 687980003
DOCUMENT NO.: SD-68798-002
SHEET NO.: 1 OF 2
SIZE: A3

NOTE:

1. OVERMOLDING SPECIFICATION:

1.1 INNER MOLDING: PE RESIN

1.2 OUTER MOLDING: PVC BLACK RESIN

2. APPLICATION CONDITION

2.1 WORKING TEMPERATURE: -10°--- +50°

2.2 STORAGE TEMPERATURE: -20°--- +60°

3. MECHANICAL PERFORMACNE

3.1. CABLE ASSEMBLY CAN PASS FLEXING TEST, PER EIA364-41 CONDITION I WITH DIMENSION X=3.7 TIMES THE CABLE DIAMETER AND 100 CYCLES IN EACH OF TWO PLANES 120 DEGREE ARC.

3.2. CABLE SHOULD WITHSTAND A PULL FORCE 40N FOR ONE MINUTE WITHOUT VISIBLE TERMINATION DAMAGE.PER EIA 364-38 METHOD A

3.3 CABLE SHOULD MEET 3.8.1.6 4-AXIS CONTINUITY TEST OF TYPE C STANDARD

4.ELECTRICAL PERFORMACNE

4.1 100% OPEN AND SHORT TEST

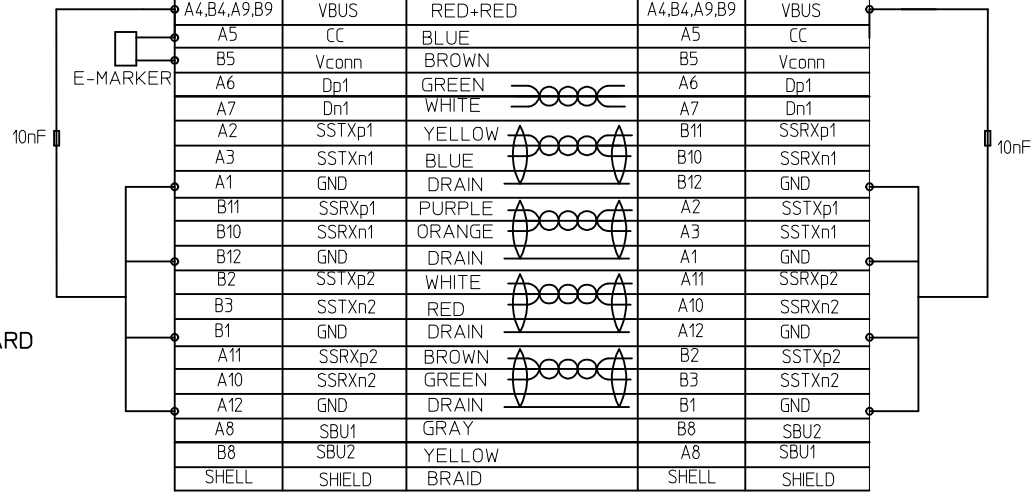
4.2 OTHER ELECTRICAL PERFORMANCE MEET USB TYPE-C STANDARD CABLE, C - C, USB 3.1 GEN1

4.3 CURRENT RATING:SEE TABLE

5. THIS PRODUCT MUST MEET Molex QEHS-699000-301

6.PRODUCT SPECIFICATION PS-68798-0001

7.THIS PRODUCT NEED ESD PROTECTION.



PIN ASSIGNMENTS				
Type C (P1)	SIGNAL NAME	WIRE COLOR	Type C (P2)	
A4,B4,A9,B9	VBUS	RED+RED	A4,B4,A9,B9	VBUS
A5	CC	BLUE	A5	CC
B5	Vconn	BROWN	B5	Vconn
A6	Dp1	GREEN	A6	Dp1
A7	Dn1	WHITE	A7	Dn1
A2	SSTXp1	YELLOW	B11	SSRXp1
A3	SSTXn1	BLUE	B10	SSRXn1
A1	GND	DRAIN	B12	GND
B11	SSRXp1	PURPLE	A2	SSTXp1
B10	SSRXn1	ORANGE	A3	SSTXn1
B12	GND	DRAIN	A1	GND
B2	SSTXp2	WHITE	A11	SSRXp2
B3	SSTXn2	RED	A10	SSRXn2
B1	GND	DRAIN	A12	GND
A11	SSRXp2	BROWN	B2	SSTXp2
A10	SSRXn2	GREEN	B3	SSTXn2
A12	GND	DRAIN	B1	GND
A8	SBU1	GRAY	B8	SBU2
B8	SBU2	YELLOW	A8	SBU1
SHELL	SHIELD	BRAID	SHELL	SHIELD

NOTE:
PIN B5 (VCONN) OF THE USB TYPE-C PLUG SHALL BE USED IN ELECTRONICALLY MARKED VERSIONS OF THIS CABLE

ENTER DESCRIPTION
EC NO: CPG2017-1139 2017/02/25
DRWN:XJGU001 2017/02/25
CH'KD:LUCY 2017/02/26
APPR:FNIE
DESCRIPTION
REV
G

QUALITY SYMBOLS
FA=0
FC=0
FF=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.25	± ---
1 PLACE	± 0.5	± ---
0 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

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

DRAWN BY: XJGU001 DATE: 2015/12/03
CHECKED BY: LUCY DATE: 2015/12/03
APPROVED BY: FNIE DATE: 2015/12/03

TITLE: USB TYPE C TO C 3.1 GEN 1, L=1M, 3A

molex

MATERIAL NO.: 687980003
DOCUMENT NO.: SD-68798-002
SHEET NO.: 2 OF 2
SIZE: A3