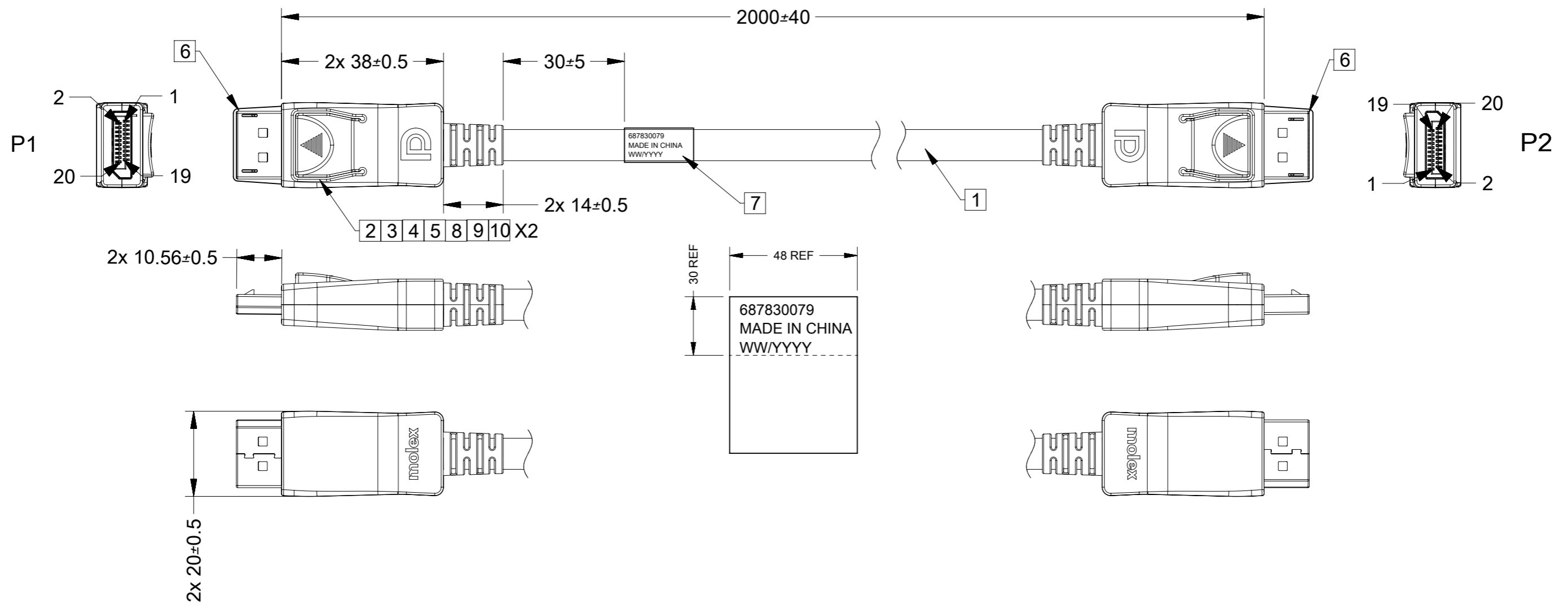


REVISIONS				
EC NO	DATE	REV	DESCRIPTION	CHANGER
CY18-6452	2018/12/25	B	1.CHANGE PLASTIC SHELL RESIN 2.CHANGE RAW CABLE	ROY LIU
CY19-5675	2019/8/15	C	1.ADD WIRE HOLDER 2.CHANGE WIRE COLOR AND WIRE CHART	CISSY



**NOTE:**

- ENVIRONMENT REQUIREMENT
  - 1.1 THIS PRODUCT MUST MEET 2011/65/EU ROHS COMPLIANCE.
  - 1.2 FLAMMABILITY RATINGS:
    - CABLES : UL VW-1 AND CSA FT-1 OR BETTER.
    - CONNECTORS : UL94V-1 OR BETTER.
- TEMPERATURE REQUIREMENT:
  - OPERATING RANGE: -20°C to +80°C
  - STORAGE RANGE: -20°C to +80°C
- MECHANICAL PERFORMANCE
  - 3.1 CABLE FLEXING:
    - SHOULD PASS 100 CYCLES MINIMUM IN EACH OF 2 PLANES AT THE SPEED OF 12 TO 14 COMPLETE CYCLES (OF 180 TOTAL TRAVERSE) PER MINUTE, WITH X= 3.7 TIMES OF CABLE DIAMETER (PER EIA-364-41, CONDITION I); NO DAMAGE AND NO ELECTRICAL DISCONTINUITY OVER 1 MICROSECOND, CONFORM TO ITEM OF DIELECTRIC WITHSTANDING VOLTAGE AND INSULATION RESISTANCE
  - 3.2 CABLE PULLOUT FORCE (AXIAL LOAD): 5KGF MIN FOR 1 MINUTE, NO DAMAGE AND OPEN-SHORT OCCUR
- ELECTRICAL PERFORMANCE:
  - 4.1 VOLTAGE RATING: 30 VDC.
  - 4.2 RATED CURRENT RATING: 0.5A AC (RMS)/DC
    - 4.3 THIS PRODUCT MUST PASS 100% CONTINUITY TEST.
    - 4.4 INSULATION RESISTANCE ( MATED CONNECTOR ) : 10 M ohms MIN/DC150V
    - 4.5 CONDUCTIVE RESISTANCE: 2.6 Ohms MAX.
    - 4.6 THIS PRODUCT NEED MEET DISPLAY PORT 1.3 HBR3 SPEC
- ALL CONNECTOR AND WIRING NEED MEET INDUSTRY REQUIREMENT
- LABEL FONT: ARIAL FONT, TEXT HEIGHT IS ABOUT 2MM.

**PIN ASSIGNMENT**

P1	P2	SIGNAL	COLOR	
			Al-foil	WIRE
PIN3	PIN10	ML0-	BLUE	WHITE
PIN1	PIN12	ML0+	BLUE	BROWN
PIN2	PIN11	GROUND		DRAIN WIRE
PIN6	PIN7	ML1-	BLUE	WHITE
PIN4	PIN9	ML1+	BLUE	GREEN
PIN5	PIN8	GROUND		DRAIN WIRE
PIN9	PIN4	ML2-	BLUE	WHITE
PIN7	PIN6	ML2+	BLUE	BLUE
PIN8	PIN5	GROUND		DRAIN WIRE
PIN12	PIN1	ML3-	BLUE	WHITE
PIN10	PIN3	ML3+	BLUE	RED
PIN11	PIN2	GROUND		DRAIN WIRE
PIN15	PIN15	AUX+	BLUE	WHITE
PIN17	PIN17	AUX-	BLUE	YELLOW
PIN16	PIN16	GROUND		DRAIN WIRE
PIN13	PIN13	CONFIG 1		GREEN
PIN14	PIN14	CONFIG 2		BLUE
PIN18	PIN18	HOT PLUG DETECT		RED
PIN19	PIN19	GROUND		BROWN
SHELL	SHELL	GROUND		BRAID

ITEM	DESCRIPTION	QTY
10	WIRE HOLDER FOR 30AWG	2
9	METAL SHELL	2
8	COPPER FOIL W:8mm	A/R
7	LABEL	1
6	DUST COVER, PE	2
5	SR, BLACK PVC 45P	A/R
4	LDPE	A/R
3	PLUG SUB-ASSY FOR DISPLAYPORT,Material: ABS	2
2	DP CONNECTOR 20P MALE, 15U" Au SOLDER TYPE, WITH TIN PLATE AND LATCH	2
1	UL20276(30#*1P+EAM)*5+30#*4C+AL+AE+B(85% TINNEI COPPER) BLACK PVC OD:6.0mm	A/R

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		<b>molex</b>	
DIMENSION UNITS: mm SCALE: 1:1		CURRENT REV DESC:	
GENERAL TOLERANCES (UNLESS SPECIFIED):		EC NO: 622548	
ANGULAR TOL ± °		DRWN: ZZXIAN 2019/08/07	
4 PLACES ±		CHK'D: CWANG49 2019/08/19	
3 PLACES ±		APPR: FNIE 2019/08/19	
2 PLACES ± 0.25		INITIAL REVISION:	
1 PLACE ± 0.5		DRWN: ZZXIAN 2018/06/21	
0 PLACES ±		APPR: LHLIU 2018/08/29	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	
DIMENSION UNITS: mm SCALE: 1:1		DRAWING: A3-SIZE	
DIMENSION UNITS: mm SCALE: 1:1		SERIES: 201240	
DIMENSION UNITS: mm SCALE: 1:1		MATERIAL NUMBER: 687830079	
DIMENSION UNITS: mm SCALE: 1:1		CUSTOMER: GENERAL MARKET	
DIMENSION UNITS: mm SCALE: 1:1		SHEET NUMBER: 1 OF 1	