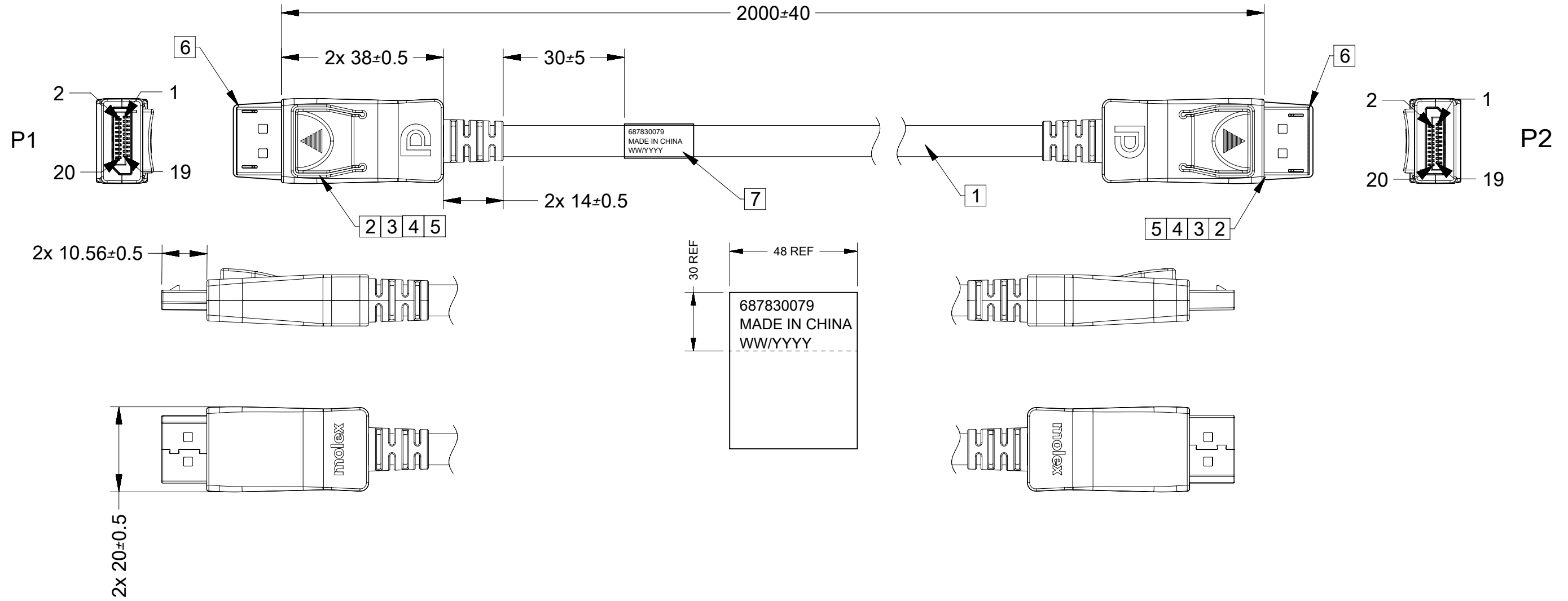


REVISIONS				
EC NO	DATE	REV	DESCRIPTION	CHANGER
NA	2018/08/18	A	INITIAL RELEASE	ROY LIU
CY18-6452	2018/12/25	B	1.CHANGE PLASTIC SHELL RESIN 2.CHANGE RAW CABLE	ROY LIU



**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 REQUEST
- LABEL FONT: ARIAL FONT, TEXT HEIGHT IS ABOUT 2MM.

**PIN ASSIGNMENT**

P1	P2	SIGNAL	COLOR	
			Al-foil	WIRE
PIN3	PIN10	ML0-	YELLOW	WHITE
PIN1	PIN12	ML0+	YELLOW	BLUE
PIN2	PIN11	GROUND		DRAIN WIRE
PIN6	PIN7	ML1-	RED	WHITE
PIN4	PIN9	ML1+	RED	BLUE
PIN5	PIN8	GROUND		DRAIN WIRE
PIN9	PIN4	ML2-	BLUE	WHITE
PIN7	PIN6	ML2+	BLUE	BLUE
PIN8	PIN5	GROUND		DRAIN WIRE
PIN12	PIN1	ML3-	BROWN	WHITE
PIN10	PIN3	ML3+	BROWN	BLUE
PIN11	PIN2	GROUND		DRAIN WIRE
PIN15	PIN15	AUX+	GREEN	WHITE
PIN17	PIN17	AUX-	GREEN	BLUE
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'
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 TINPLATE AND LATCH	2
1	UL20276(30#*1P+EAM)*5+30#*4C+A4DB(AL) BLACK PVC OD:6.0mm	A/R

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	CURRENT REV DESC:		<b>molex</b>
	DIMENSION UNITS: mm SCALE: 1:1 GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL: ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.25 1 PLACE ± 0.5 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	EC NO: 609606 DRWN: ZZXIAN 2018/12/13 CHK'D: RLIU44 2018/12/26 APPR: LHUIU 2018/12/27 INITIAL REVISION: DRWN: ZZXIAN 2018/06/21 APPR: LHUIU 2018/08/29		
				DOCUMENT NUMBER: 2012400099 DOC TYPE: PSD DOC PART: 000 REVISION: B
				MATERIAL NUMBER: 687830079 CUSTOMER: GENERAL MARKET SHEET NUMBER: 1 OF 1