

GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
AO			Initial	2015/11/02	Phebe Su

NOTES:

PRODUCT MUST MEET CONTROLLED SUBSTANCES SPEC. ROHS 2.0

1. MATERIAL:

1.1 HOUSING:PA66+30%GF , UL94V-0; COLOR: SEE TABLE.

1.2 EAR:PA66+30%GF ,UL94V-0;COLOR:SEE TABLE.

1.3 CONTACT: BRASS COOPER C2680.

1.4 BOARD LOCK: STEEL SUS304 .

2. FINISH:

2.1 CONTACT:

GOLD PLATING(SEE TABLE) ON CONTACT AREA.

2.54um[100u"] MIN. MATTE-TIN PLATING ON SOLDER TAIL AREA.

2.25um[90u"] MIN. ON CONTACT AREA,1.27um[50u"] MIN. NICKEL ON OTHER AREA

3. DIMENSIONS MARKED $\blacktriangle$ MUST BE CONTROLLED BY CPK.

4. DATE CODE TYPE: PRINT OR HOT STAMP OR LASER

5. WAVE SOLDER CAPABLE TO 265°C $\pm$ 5°C 5S.

6. MECHANICAL SPECIFICATION:

INSERTION FORCE: 10.89kg MAX.

WITHDRAW FORCE: 14 g MIN PER CONTACT PAIR

CONTACT RETENTION FORCE: 0.3kg MIN PER CONTACT

DURABILITY: 25MATING AND UNMATING CYCLES

INSERTION FORCE OF CONNECTOR INTO PCB (WITH THREE BOARD LOCKS): 7.60kg MAX.

7. ELECTRICAL SPECIFICATION

CONTACT RESISTANCE: 30 MILLIOHMS MAX. INITIAL, 20 MILLIOHMS MAX. AFTER TEST

CURRENT RATING: 0.50AMPS MAX.

INSULATION RESISTANCE: 1 MEGOHMS MIN. AT 500VAC

DIELECTRIC WITHSTAND VOLTAGE: 500VAC MIN. FOR ONE MINUTE.

8. ENVIRONMENT SPECIFICATION

OPERATING TEMPERATURE: -20°C TO +85°C.

SOLDERABILITY: PASSED PER JESD22-B102, Condition C.

VIBRATION: PASSED PER EIA-364-28.

HUMIDITY: PASSED PER EIA-364-31.

THERMAL SHOCK: PASSED PER EIA-364-32.

MECHANICAL SHOCK: PASSED PER EIA-364-27.

9. PART NUMBER INFORMATION:

MDDR3-240 X X X X

PLATING CODE: 1: GOLD FLASH 5: GOLD 3u" Pd-Ni 12u"

2: GOLD 10u" 6: GOLD 30u"

3: GOLD 15u"

4: GOLD 20u"

EAR COLOR:1:BLACK 2:WHITE

HOUSING COLOR:1:BLACK 2:YELLOW(1235C) 3:RED(1795U) 4:BLUE(297C)

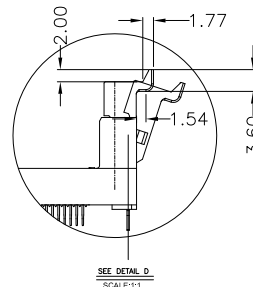
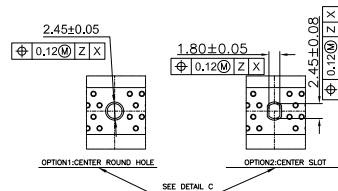
5:BRIGHT RED(1797C) 6:WHITE 7:VIOLET(2726U)

8:GRAY(431C) 9:DARK BLUE(2935U) 0:ORANGE(021C)

TAIL LENGTH: 1:2.30 2:2.70

3:3.10

PIN NUMBER CODE: 240: 240 PINS

RECOMMENDED PCB LAYOUT
GENERAL TOLERANCE $\pm$ 0.05

NO	VARIETY	QTY	METERIAL	REMARK
			Matrix Electronics Co.,Ltd	
TOLERANCE: X.X X.XX $\pm$ 0.25 X.XXX $\pm$ 0.20 X.XXX $\pm$ 0.15 ANGLE: $\pm$ 3°		DESIGN BY : Phebe Su	DATE : 2015/11/02	PART NAME: DDR III 240 CONNECTOR
APPROVED BY1: Richard Hsieh		CHECKED BY: Vicky Hsieh	DATE : 2015/11/02	PART NO. MDDR3-240XXXX
UNIT: mm [inch]		APPROVED BY2: Richard Hsieh	DATE : 2015/11/02	MOLD NO. NA
SCALE:1:1 SIZE:A4				DRAW NO.
				SHEET NO. 1 OF 2