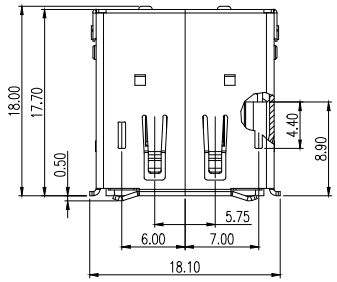
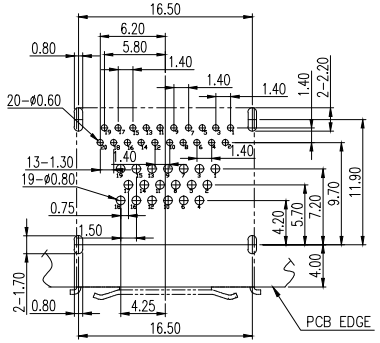
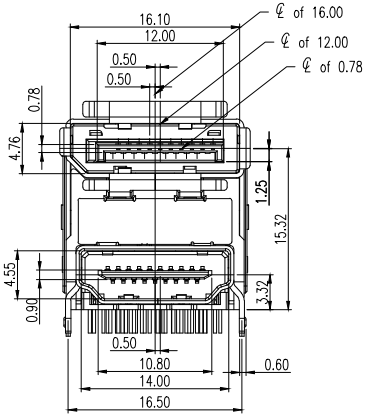
PROPRIETARY INFORMATION
COMPANY CONFIDENTIAL

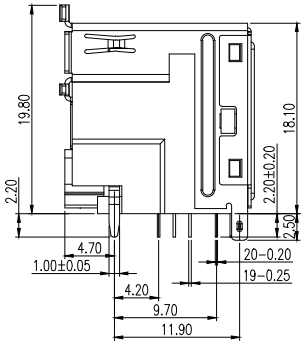
REV.	ECN. NO.	DESCRIPTION	ENG	DATE
A		INITIAL	Sun	4/10/2015
B		UPDATED DRAWING	Sun	3/8/2016
C		Update product structure	Andy	5/14/2018'

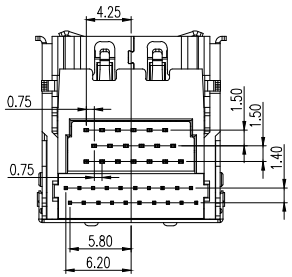


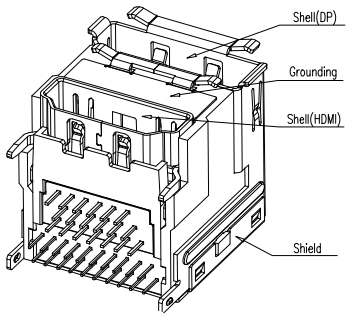


RECOMMENDED P.C.B. LAYOUT
THICKNESS=1.6±0.10mm









NOTES:

1. Displayport
1.1 Voltage: 40 VAC(RMS) Max.
1.2 Current Rating: 0.5 Ampere per Contact
1.3 Contact Resistance: 30 Milliohms Max.
1.4 Insulation Resistance: 100 Megohms Min.
1.5 Dielectric Withstanding Voltage: 500V DC(RMS)
1.6 Total Mating Force: 4.5 Kgf Max.
1.7 Total Unmating Force: 1.0 Kgf Min.
1.8 Operating Temperature: −25°C to +85°C
2. HDMI
2.1 Voltage: 40 VAC(RMS) Max.
2.2 Current Rating: 0.5 Ampere per Contact
2.3 Contact Resistance: 30 Milliohms Max.
2.4 Insulation Resistance: 100 Megohms Min.
2.5 Dielectric Withstanding Voltage: 500V DC(RMS)
2.6 Total Mating Force: 4.5 Kgf Max.
2.7 Total Unmating Force: 1.0 Kgf Min.
2.8 Operating Temperature: −25°C to +85°C

PART.NUMBER:

DPHR-20 39 - 2 K 1 3 T
① ② ③④⑤⑥⑦

1.CONNECTOR:
DPHR-20: DISPLAYPORT AND HDMI COMBO RECPTACLE
DIP TYPE CONNECTOR

2.POSITIONS:
39: 39 POSITIONS

3.INSULATOR MATERIAL:
2: PBT+LCP

4.INSULATOR COLOR:
K: BLACK

5.CONTACT PLATING:
1: GOLD FLASH

6.SHIELD PLATING:
3: NICKEL

7.PACKING:
T: TRAY

ITEM	NAME	Q'TY	DESCRIPTION	NOTE
6	GROUNDING	1	STAINLESS STEEL	
5	SHELD	1	SPCC,80u" NICKEL PLAING OVERALL	
4	SHELL(DP&HDMI)	2	BRASS,80u" NICKEL PLAING OVERALL	
3	CANTACT(DISPLAYPORT+HDMI)	20+19	BRASS,GOLD FLASH PLATING ON CONTACT AREA,100u" TIN PLATING ON SOLDER AREA,50u" NICKEL UNDER PLATING OVERALL	
2	HOUSING(DISPLAYPORT)	1	PBT+30%GF,COLOR BLACK	UL94-V0
1	HOUSING(HDMI)	1	LCP+30%GF,COLOR BLACK	UL94-V0

GENERAL TOLERANCE	ANGLE TOLERANCE
X.±0.50	X°± 5.0°
.X±0.38	.X°± 3.0°
.XX±0.25	.XX°± 2.0°
.XXX±0.15	.XXX°± 1.0°

MATL: SEE BOM
FINISH: SEE NOTES
SCALE: N/A
UNIT: mm
SHEET 1 OF 1

		DATE
DRAWN	Andy	5/14/2018'
CHECKED		
APPROVED	Hill	5/14/2018'

GENESIS TECHNOLOGY,INC

TITLE: DISPLAYPORT AND HDMI COMBO RECPTACLE DIP TYPE CONNECTOR
PART NUMBER: DPHR-2039-2K13T
DRAWING NO.: GT26-210453
SIZE: A4
REV.: C