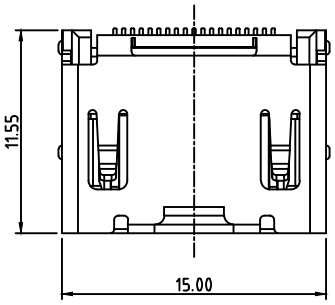
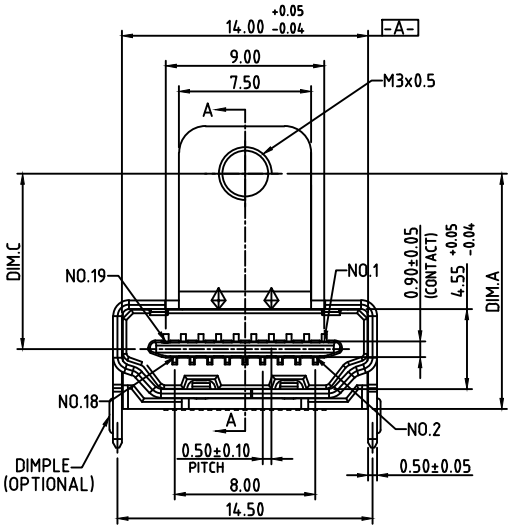
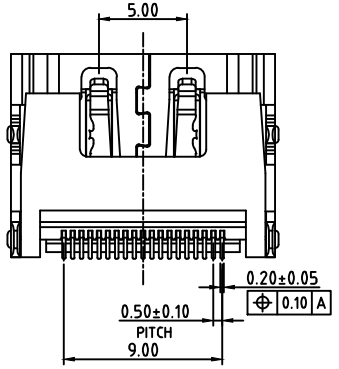
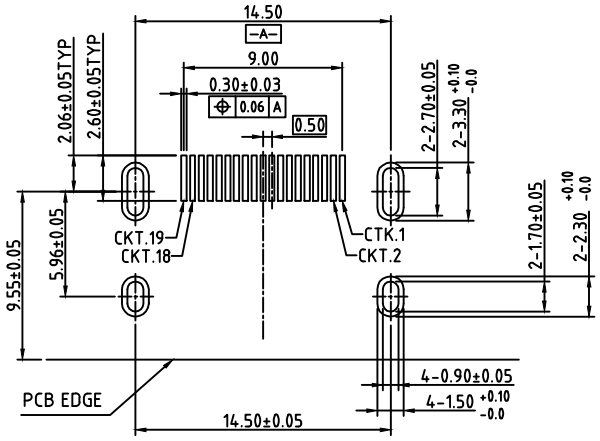
REV	ECN. NO.	APPD.

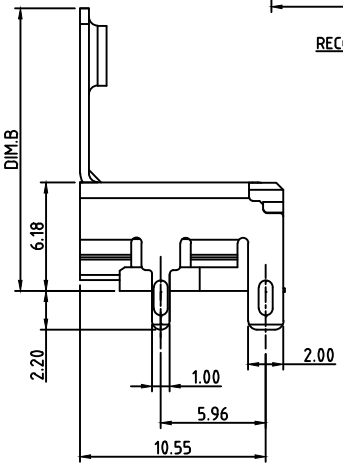


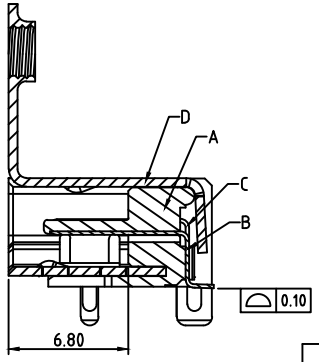






RECOMMENDED PCB LAYOUT
CONNECTOR SIDE





SECTION A-A

NOTES:
1. MATING FORCE: 4.5Kgf Max.
2. UNMATING FORCE: 1.0Kgf min.; 4.0Kgf Max.
3. DURIABILITY: 10000 CYCLES.
4. CONTACT RETENTION FORCE: 300gf/Pin(Min.)
5. CURRENT RATING: 0.5A
6. VOLTAGE RATING: 40V
7. DIELECTRIC WITHSTANDING VOLTAGE: 300V AC/MINUTE
8. P/N: HM0*B- * -R0 - *
   - SEE TABLE
   - CONTACT PLATING:
     - 1: GOLD FLASH PLATING ON CONTACT AREA 100U" MIN. MATTE TIN PLATING ON SOLDER AREA.
     - 3: 30u" MIN. GOLD PLATING ON CONTACT AREA 100u" MIN. MATTE TIN PLATING ON SOLDER AREA.
     - 5: 5u" MIN. GOLD PLATING ON CONTACT AREA 100u" MIN. MATTE TIN PLATING ON SOLDER AREA.
     - 7: 15u" MIN. GOLD PLATING ON CONTACT AREA 100u" MIN. MATTE TIN PLATING ON SOLDER AREA
   - PACKING METHOD:
     - R0: RELL WITHOUT MYLAR
   - NONE: NO DIMPLE
     D: WITH DIMPLE
9. DIMENSION SHALL BE INTERPRETED PER ANSI Y14.5M-1994.
10. MATERIALS:
    HOUSING: HEAT RESISTING PLASTICS, COLOR BLACK, UL94V-0
    CONTACT: COPPER ALLOY.
    SHELL: COPPER ALLOY, 50u" NICKE PLATING OVER ALL NICKEL MUST BE SOLDERED.

PART NUMBER	DIM. A	DIM.B	DIM.C
HM03B-x-R0-x	13.38	16.08	9.975
HM01B-x-R0-x	11.28	14.25	7.875

ITEM	DESCRIPTION	Q'TY
D	SHELL	1
C	CONTACT 2	10
B	CONTACT 1	9
A	HOUSING	1

X.±	.X± 0.25	.XX± 0.20
X°.±	.X°±	.XX°±
UNITS: mm	DATE:7/29/2009	
MAT'L		

NAME<INTENDED USE>: HDMI RECEPTACLE,R/A, SMT TYPE 0.5mm PITCH, 19 POS.
PART NO.<INTENDED USE>: HM0B SERIES
APPD: L M R
CHKD: GUOCHAO YAN
DR: CHENKUN

CTL® CHARTRON INCORPORATION
TITLE: CUSTOMER DRAWING
DWG NO. 010-0001-HM0B

SCALE	SHEET	REV
N/A	1/1	A