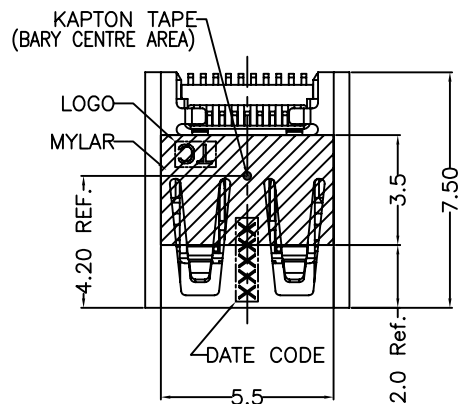


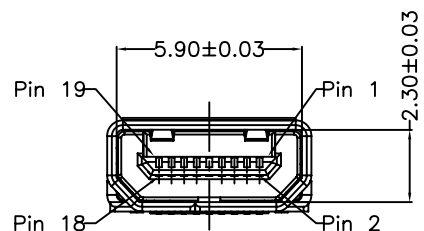
A



B

A

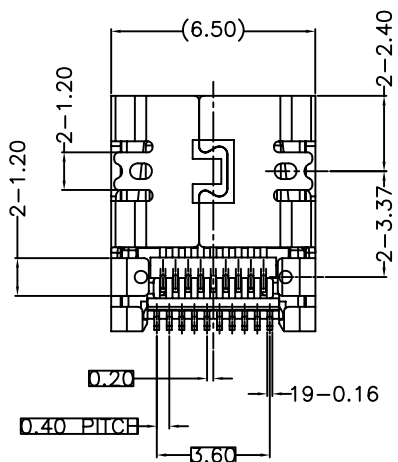
C



D

E

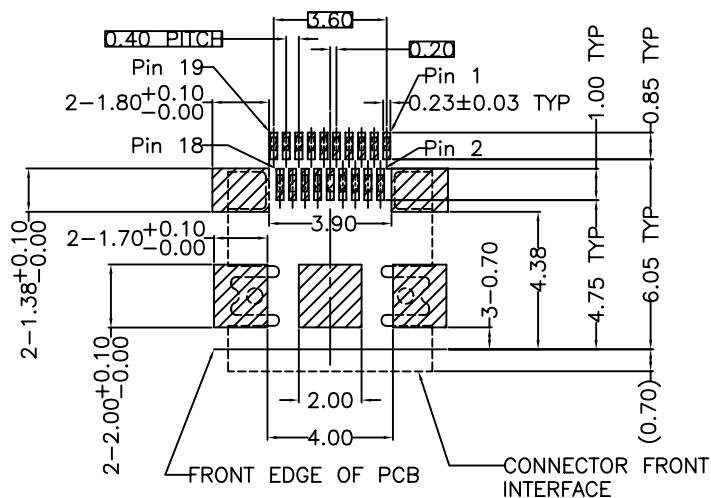
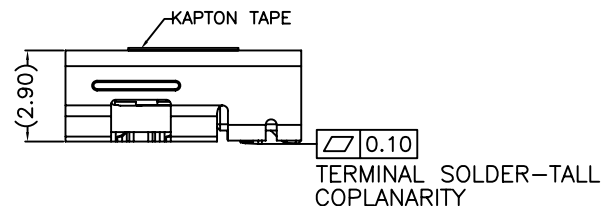
F



| PIN | Signal Assignment |
|-----|-------------------|
| 1   | Hot Plug Detect   |
| 3   | TMDS Data2+       |
| 5   | TMDS Data2-       |
| 7   | TMDS Data1 Shield |
| 9   | TMDS Data0+       |
| 11  | TMDS Data0-       |
| 13  | TMDS Clock Shield |
| 15  | CEC               |
| 17  | SCL               |
| 19  | +5V Power         |

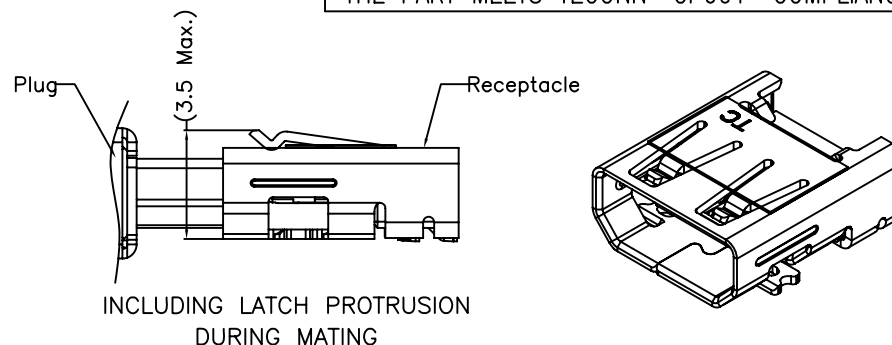
| PIN | Signal Assignment |
|-----|-------------------|
| 2   | Utility           |
| 4   | TMDS Data2 Shield |
| 6   | TMDS Data1+       |
| 8   | TMDS Data1-       |
| 10  | TMDS Data0 Shield |
| 12  | TMDS Clock+       |
| 14  | TMDS Clock-       |
| 16  | DDC/CEC Ground    |
| 18  | SDA               |

| CONNECTION  | SIGNALS          |
|-------------|------------------|
| FIRST MAKE  | CONNECTOR SHELL  |
| SECOND MAKE | PINS 1-18        |
| THIRD MAKE  | PIN19(+5v POWER) |



RECOMMENDED PCB LAYOUT  
COMPONENT SIDE OF BOARD  
(.XX±0.05)

THE PART MEETS TECONN "GP001" COMPLIANCE



| ITEM | TITLE            | MATERIAL               | DESCRIPTION                                          | REMARK |
|------|------------------|------------------------|------------------------------------------------------|--------|
| 1    | 9PIN TERMINAL    | COPPER ALLOY C5210     | CONTACT AREA:AU(SEE P/N);<br>SOLDER AREA:AU 1U" MIN. | T=0.12 |
| 2    | 10PIN TERMINAL   |                        |                                                      |        |
| 3    | 9PIN INSERTMOLD  | LCP                    | UL94V-0                                              | Black  |
| 4    | 10PIN INSERTMOLD |                        |                                                      |        |
| 5    | SHELL            | STAINLESS STEEL SUS304 | PLATING:HALF-BRIGHT TIN                              | T=0.30 |
| 6    | MYLAR            |                        | TRANSLUCENCY                                         | 1PC    |

NOTE:

- CONTACT CURRENT RATING: 0.3 A MINIMUM, 0.8 A MAXIMUM.
- VOLTAGE: 40 VAC MAXIMUM, 30 VDC MAXIMUM.
- DIELECTRIC WITHSTANDING VOLTAGE:  
UNMATED CONNECTORS,APPLY: 250V AC(RMS.)  
MATED CONNECTOR,APPLY: 150V AC(RMS.)
- CONTACT RESESTANCE: 10 MILLIOHMS MAXIMUM.
- INSULATION RESISTANCE: 100 MEGOHMS MINIMUM.
- OPERATING TEMPERATURE: -25°C~80°C.
- INSERTION FORCE: 44.1N MAXIMUM.
- WITHDRAWAL FORCE: 5~25N. AFTER 5,000 CYCLES MATING 3~25N.
- PART NO.: A151903-E(F,G)-XX-R

SHELL LOGO TYPE:  
E: TC LOGO  
F: WITHOUT LOGO  
G: TC LOGO + DATE CODE: XXXXX

WEEK:A,B,C...  
MONTH:01~12  
YEAR:12,13...

TERMINAL CONTACT AREA PLATING:  
01: Au 1u" 03: Au 3u"  
05: Au 5u" 10: Au 10u"  
15: Au 15u" 30: Au 30u"

|            |                      |                                    |                       |
|------------|----------------------|------------------------------------|-----------------------|
| X. ± 0.35  | APPD:                | TITLE:                             | 泰康电子<br>TECONN        |
| .X ± 0.25  | Henry Sun 2013/05/22 | HDMI TYPE D RECEPTACLE<br>SMT TYPE |                       |
| .XX ± 0.15 | CHKD:                | PART NO:                           | A151903-E(F,G)-XX-R   |
| .XXX±      |                      | CUSTOMER DRAWING                   |                       |
| X* ± 2"    | DR:                  | DWG NO:                            | C-A151903-E(F,G)-XX-R |
| .X* ± 1.5" | XIE MEI 2013/05/22   | REV: A                             |                       |
|            | UNITS:               | SCALE:                             |                       |
|            | mm                   | 4:1                                |                       |

| REV | ECN NO      | DESCRIPTION | DATE       |
|-----|-------------|-------------|------------|
| A   | TE2013-0210 | New Drawing | 2013/05/22 |