

**SPECIFICATIONS**

1:D-SUB

**1.1:ELECTRICAL CHARACTERISTICS:**

Contact Current Rating:3 Amperes.  
 Dielectric Withstanding Voltage: AC 1000/60sec.r.m.s.  
 Insulation Resistance:5000 Megohms Minimum.at DC 500V.  
 Contact Resistance:25 Milliohms Maximum.  
 Operating Temperature:-55°C to+105°C.

**1.2:MECHANICAL CHARACTERISTICS:**

Contact Insertion Force:341 g.Maximum.  
 Contact Separation Force:21 g.Minimum.

**1.3:MATERIALS:**

Contacts:Brass.  
 Insulator: NYLON 9T UL 94V-0 Rated.  
 Shell:Cold Roller Steel.

**1.4:FINISHES:**

Contact:Gold Flash.  
 Shell:Nickel Plated.

2:USB

**2.1:ELECTRICAL CHARACTERISTICS:**

Contact Current Rating:1Amperes.  
 Dielectric Withstanding Voltage: AC 750/60sec.r.m.s.  
 Insulation Resistance: 1000 Megohms Minimum  
 Contact Resistance: 25 Milliohms Maximum.  
 Operating Temperature: -40°C to+60°C.

**2.2:MECHANICAL CHARACTERISTICS:**

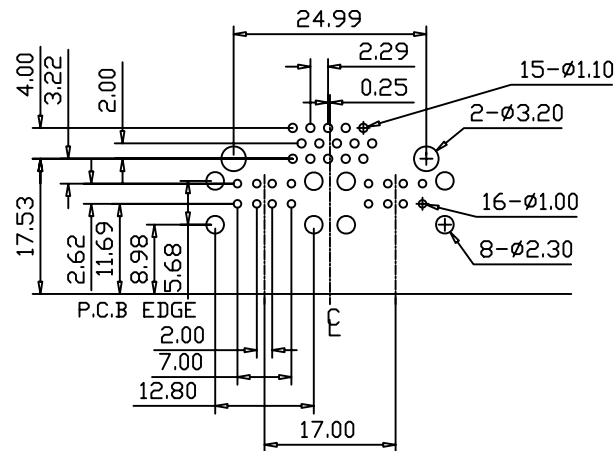
Mating Force: 3.5 Kg.Maximum.  
 Unmating Force: 1 Kg.Minimum.

**2.3:MATERIALS:**

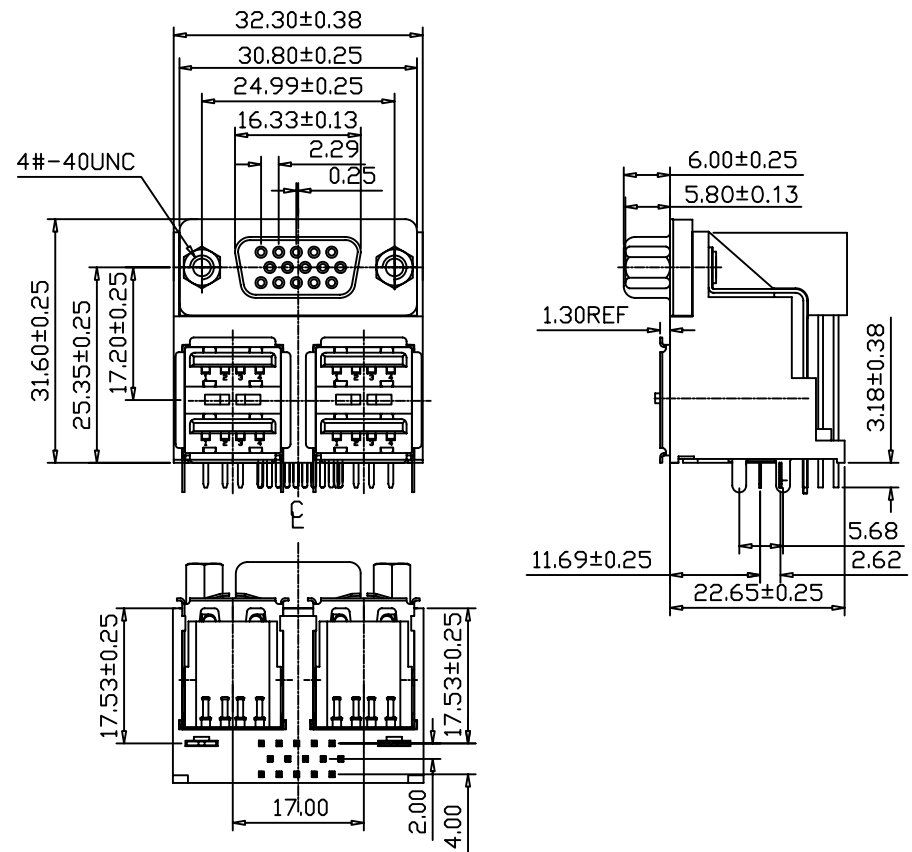
Contacts: Phosphorous Bronze,C5191R-H  
 Insulator: PBT,UL 94V-0 Rated.  
 Front Shell: Brass ,C2680-H  
 Brack Shell: Spcc.  
 Sprint Shell: Brass ,C2680-H

**2.4:FINISHES:**

Contact:Gold Flash.  
 Front Shell: 120u" MIN TIN,50~100u" Nickel  
 Brack Shell: 100u" Nickel  
 Spring Shell: 100u" Nickel



**RECOMMENDED P.C.B. LAYOUT**



**NOTE:**

- High temp. process Statement:  
 Max. 60 seconds in 230 degree C.  
 and 10 seconds in 260 degree C.
- All materials / processes are  
 RoHS compliant.



PART NO. HDUB-FRJ-1588

DWG NO. HDUB-FRJ-1588

CHECKED BY CY

TOLERANCES ARE

DESCRIP TION:

**D-SUB 15 FEMALE HIGH DENSITY  
 /USB A TYPE CONNECTOR**

煜倫股份有限公司

FILE NO.

DRAWING BY

.X ± 0.25  
 .XX ± 0.13  
 .XXX ±  
 AWG

AREA

REVISIONS

HK

DATE

UNIT / mm

SCALE 1:1

PROJECTION

