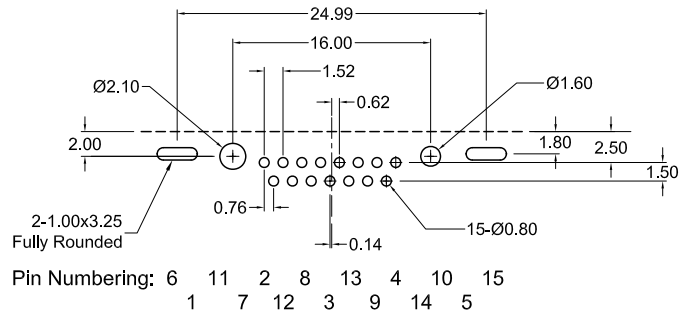
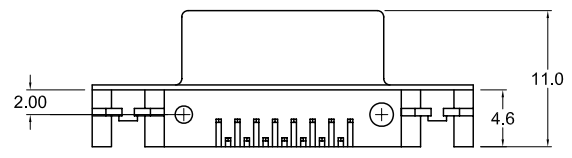
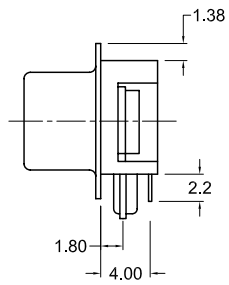
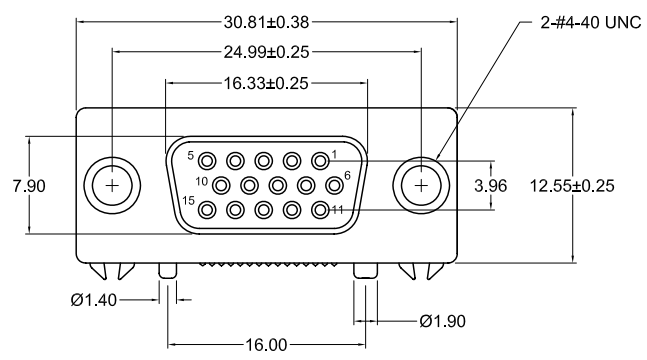


KYCON, Inc. 1810 Little Orchard Street, San Jose, CA 95125 (408)494-0330



Recommended P.C. Board Layout (Top View)

**Material and Finish**

Shell: Steel, tin plated  
 Insert: PBT Thermoplastic, Black Color, 30% Glass Filled, UL 94V-0 Rated  
 Contact Material: Socket- Phosphor Bronze  
 Contact Plating Options:  
 Standard: Gold flash over Nickel on contacts, Tin over Nickel on soldertails  
 15 Option: 15u" Gold over Nickel on contacts, Tin over Nickel on soldertails  
 30 Option: 30u" Gold over Nickel on contacts, Tin over Nickel on soldertails

**Electrical Specifications**

Rated Current: 2A  
 Rated Voltage: 30V RMS  
 Withstanding Voltage: 500V (rms) AC for 1 minute  
 Insulation Resistance: more than 1000 Megohm at 500V DC  
 Contact Resistance: 13 milliohm max.  
 Dielectric Strength: 1000V for 1 minute  
 Operating Temperature: -55°C to +105°C

Part Number	Contact Area Plating Finish
K31X-E15S-N	Gold Flash (standard)
K31X-E15S-N15	15u" Gold (15 option)
K31X-E15S-N30	30u" Gold (30 option)

**RoHS COMPLIANT**  
EU Directive 2002/95/EC

**Tolerances**  
X.X ± 0.25  
X.XX ± 0.15  
Unless Stated Otherwise

LR78160

REV.	DATE	DESCRIPTION	REV. BY	CHK. BY	DRAWN BY	DATE
A1	12/21/05	New Drawing	R. Aguirre	H. MA	R. Aguirre	12/21/05
A2	08/24/07	ECO 07-036	R. Aguirre	H. MA		
A3	03/06/08	ECO #07-051	S. Vien	H. MA		
A4	06/04/08	Remove Dim.	S. Vien	H. MA		

**K31X-E15S-N**

15 pin High Density female D-Sub  
 Ultra Compact Footprint, RoHS Compliant

