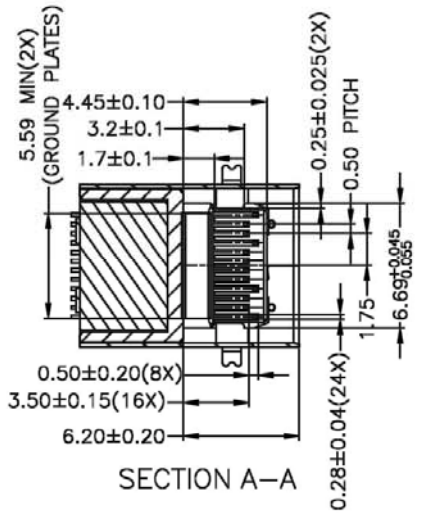
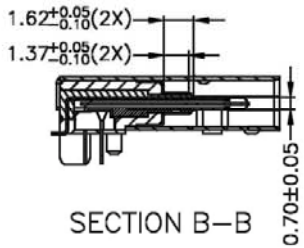
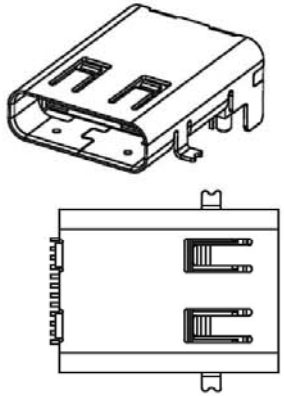




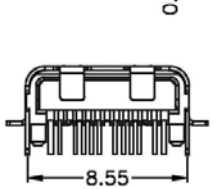


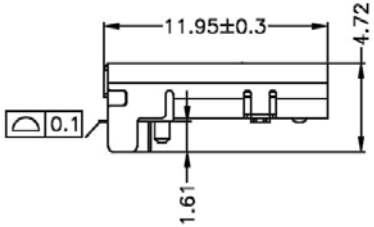
MECHANICAL:
- INSERTION FORCE:5~20N
- EXTRACTION FORCE:8~20N
- DURABILITY: 10000 CYCLES MIN.

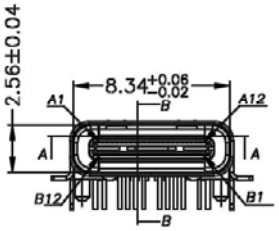
ELECTRICAL:
- GENERAL:
  - CURRENT: 5A MAX
  - VOLTAGE: 30V AC MAX
  - WITHSTANDING VOLTAGE: 100V AC
  - CONTACT RESISTANCE: 40 mΩ MAX
- INSULATION RESISTANCE: 100MΩ MIN

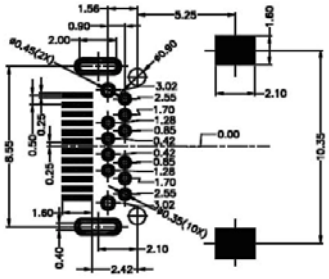
ENVIRONMENTAL
- TEMPERATURE RANGE −55°C ~ +85°C

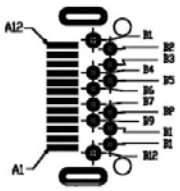
Pin Number		Pin Number	
PIN A1	GND	PIN B12	GND
PIN A2	SSTXp1	PIN B11	SSRXp1
PIN A3	SSTXn1	PIN B10	SSRXn1
PIN A4	VBUS	PIN B9	VBUS
PIN A5	CC1	PIN B8	SBU2
PIN A6	Dp1	PIN B7	Dn2
PIN A7	Dn1	PIN B6	Dp2
PIN A8	SBU1	PIN B5	CC2
PIN A9	VBUS	PIN B4	VBUS
PIN A10	SSRXn2	PIN B3	SSTXn2
PIN A11	SSRXp2	PIN B2	SSTXp2
PIN A12	GND	PIN B1	GND

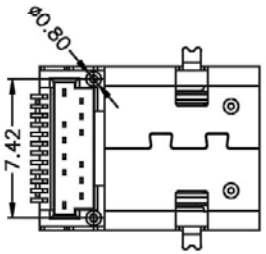












RECOMMENDED PCB LAYOUT(TOP VIEW)

ORDERING INFORMATION:

P/N U C 3 1 D - 2 4 F B x x / 1

1. CONTACT FINISH:
- **"01" GOLD FLASH**
- **"10" 10 MICROINCH GOLD**
- **"30" 30 MICROINCH GOLD**

DIMENSIONS ARE IN MILLIMETERS		Ratioplast Electronics		RoHS COMPLIANT	
TOLERANCE UNLESS OTHERWISE SPECIFIED		PART NO.	UC31D-24FBxx	TITLE: USB3.1 C TYPE 24 PIN FEMALE CONNECTOR DIP+SMT TYPE	
LINEAR	0.0±0.25	DATE	July / 22 / 2015		
	0.00±0.15				
ANGLES	± 3	NOT SCALED DRAWING		DRAWING NO.	UC31D-24FBxx