USB Connectors
USB 3.1 Sockets Type C

SMT/THT angled

SPECIFICATION:

Operating Current (Max.):	5 A VBUS pin
Operating Current (Max.):	1.25 A VCONN Pin
Operating Temperature:	-40°C to 85°C
Insulation Resistance (Min.):	100 MΩ
Contact Resistance (Max.):	40 mΩ
Dielectric Strength:	100 Vac
Insertion Force (Max.):	20 N
Extraction Force:	20 N
Operating Life in Mating Cycles (Min.):	10000

MATERIAL:

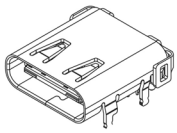
Material (Terminal):	copper alloy, tin plated
Material (Housing):	steel, nickel plated
Material (Insulation):	thermoplastic
Flammability Class:	UL 94 V-0
Material (Contact Area):	copper alloy, gold plated

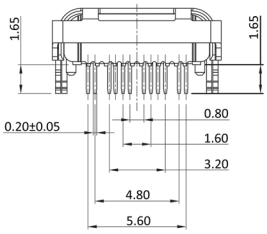
HANDLING:

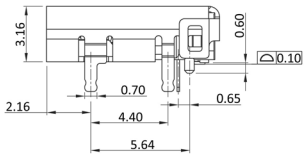
Packaging:	taped

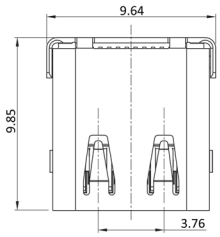
TOLERANCE:

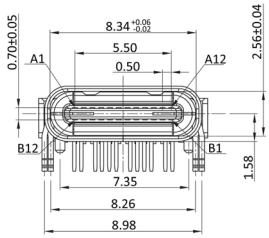
.X:	± 0.25
.XX:	± 0.20

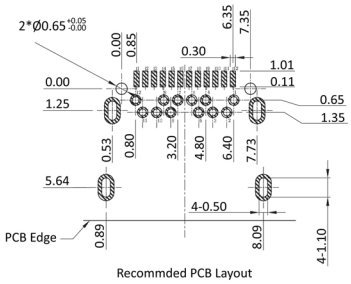






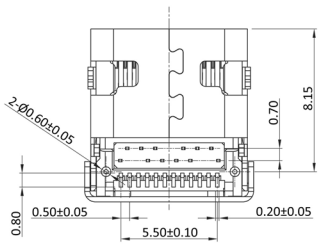






Recommded PCB Layout

	A		B
1	GND	12	GND
2	TX1+	11	RX1+
3	TX1-	10	RX1-
4	VBUS	9	VBUS
5	CC1	8	SUB2
6	D+	7	D-
7	D-	6	D+
8	SBU1	5	CC2
9	VBUS	4	VBUS
10	RX2-	3	TX2-
11	RX2+	2	TX2+
12	GND	1	GND



Order Information

Identifier:	Contact Plating:	Version:
U31BU1C	**G**	**W**
USB 3.1 Socket Type C	gold plated	angled