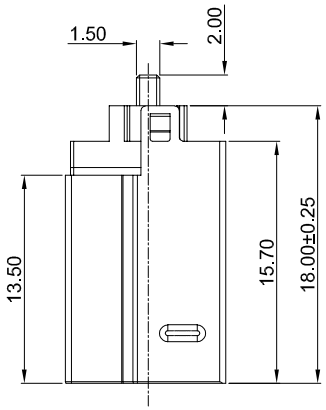
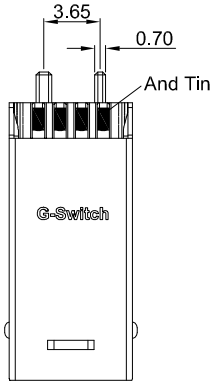
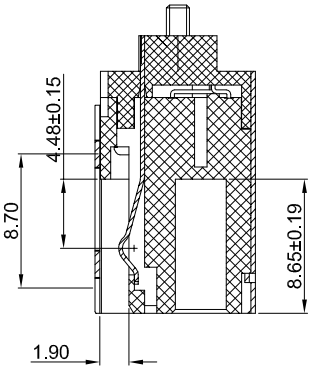
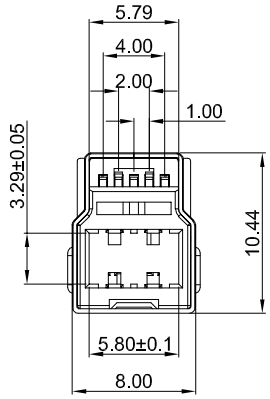








SECTION A-A



PIN ASSIGNMENT

PIN	1	2	3	4	5	6	7	8	9
NAME	VBUS	DM-	DP+	GND	RX-	RX+	GND	TX-	TX+

GT-3B90050-0 0 0 G0 00

DETAIL
A=With column And Tin
B=With column

Shell Material
F=Ferroalloy
C=Copper alloy

Shell Plating
N=Ni
G=Gold

Housing Colour
B=Blue
N=Black

Terminal Plating
GF=G/F
G3=3u
G5=5u

Salt Spray
24=24H
48=48H

USB IF TID:13480

G-Switch USB-3.0 Specification:
1.Current rated: 1.8A 250V AC MIN
2.Contact Resistance: 30mΩ Max
3.Insulation Resistance: 100MΩ Min
4.Operating temperature: -40°C ~ +85°C
7.Mating force: 35N Max
8.Unmating force: 10NMin
9.Terminal Retenion: 1.2kgf Min
10.Data transmission rate up to 5Gbp/s

NO.	PARTS	MATERIAL	REMARKS
1	SHELL	SPCC	Ni30MIN PLATED
2	HOUSING	PBT	BLUE UL 94 V-0
3	TERMINALS	COPPER ALLOY+PHOSPHOR BRONZE	Au G/F MIN PLATING ON CONTACT AREA

Pb Process Capable | RoHS Compliant EU RoHS Standards | Halogen Free Compliant Halogen Free

SCALE: 1:1	UNIT: mm	Title:	Horizontal USB 3.2 BM Soldered Type L=18.0mm
SIZE: A4		Molde Code:	GT-3B90050-000G000

Unless otherwise General Tolerance:
X.x ±0.20
X.xx ±0.15
X.x° ±3°

DRAWN	CHECKED	APPROVED	DATE
Xia	Chen	Chen	2023.02.01

品赞科技 b-Switch www.dg-switch.com

REV: A0 SHEET: 1/1

品赞电子（东莞）有限公司