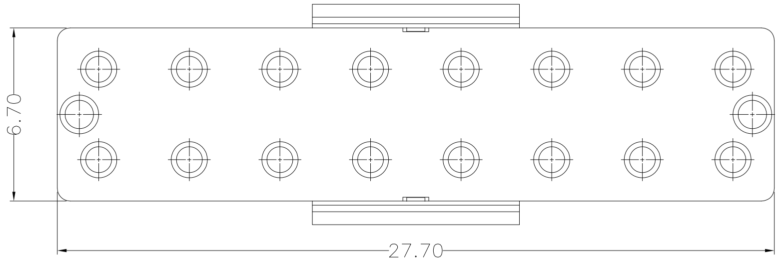
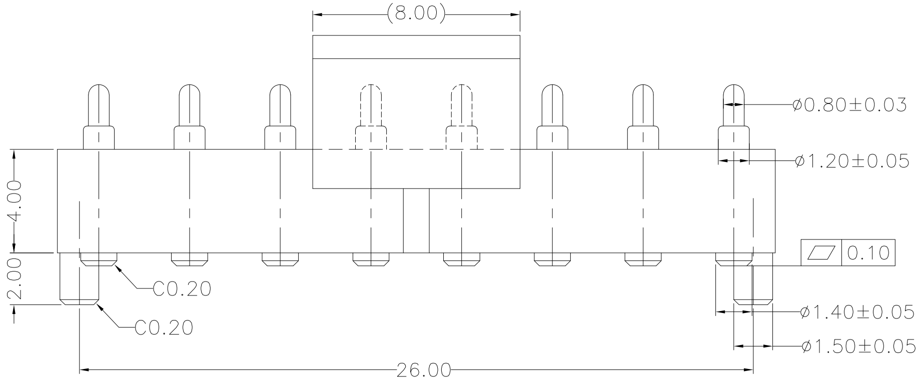
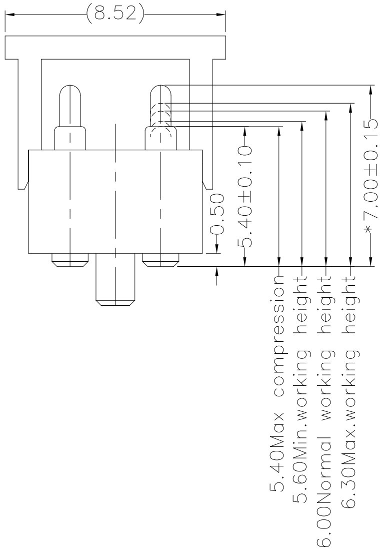
GP Component

REV.	ECN NO.	LOCATIONS	DESCRIPTION	DATE	DESIGN
A0			Initial	2024/12/09	Wu Zonlin







Notes:

1.Material
Plunger&Barrel：Lead free Brass , Plated Gold flash(1u"min.) over 50-120u"Ni
Spring：SUS304
Housing：PA9T Black UL94 v-0
CAP：PA9T Black UL94 v-0

2.Mechanical
Normal Spring force：100g±15g at working height
Durability：10, 000Cycles min

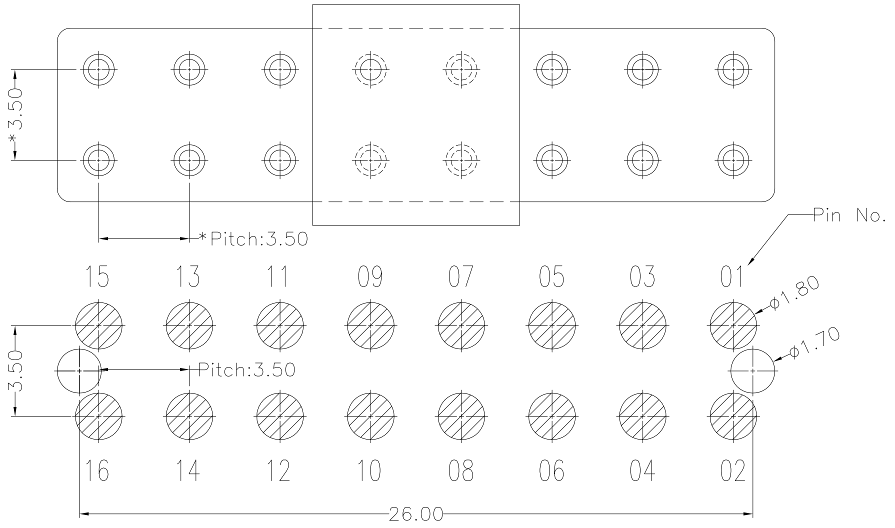
3.Electrical
Rated Current&Voltage：DC 12 V, 2.0A
Contact Resistance：100mohm max at working height (quiescence)

4.Operating Temperature：-40 to +85℃
Humidity Range：10%RH to 90%RH
Solder Temperature：260℃±5°10s±2s
Salt Spray：24H, No Corrosion
Lead free , RoHS compliant

5.Packing:Reel & Carrier

6.To ensure the best usage, please operate it based on the working height
Based on the engineering drawings , shall not exceed the min.working height

7. "*" is the key dimensions.



RECOMMENDED PCB LAYOUT
Tolerance：±0.05mm

MATRIX PART NO:

MPG M — 16 — 156 — RS

Matrix Pogo pin
M:Male
Pin Number 16:16pin
Series Number
RS:ROHS
HF:Halogen Free

Matrix Electronics Co.,Ltd

TOLERANCE:	DESIGN BY :	DATE :	PART NAME:	
0~6 ±0.10mm >6~30 ±0.20mm >30~120 ±0.30mm >120 ±0.50mm ANGLE ±5°	Wu Zonlin	2024/12/09	Pogopin conn	
	CHECKED BY: Hanson Huang	DATE : 2024/12/09	PART NO.	MPGM-16-156-RS
UNIT: mm [inch]	APPROVED BY1: Richard Hsieh	DATE : 2024/12/09	MOLD NO.	NA
SCALE:1:1 SIZE:A4	APPROVED BY2: Richard Hsieh	DATE : 2024/12/09	DRAW NO. SHEET NO.	 1 OF 1