

## Features:

Cross slot allows for quick and easy adjustment

Sealed to withstand wave solder and immersion cleaning.

Flame retardant construction meets UL-94-V0.

Tape/reel and ammo packaging.



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## ELECTRICAL

RESISTANCE RANGE .....10 ohm to 5M ohm

RESISTANCE TOLERANCE ..... ±10%, 20%

END RESISTANCE .....1% or 3-ohm, whichever is greater

PEAK NOISE (C.R.V.) ...1% or 1-ohm, whichever is greater

TEMP COEFFICIENT..... ± 100ppm/C, 200-ohm  
to Other Values -1M-ohm ± 250ppm/C,

INSULATION RESISTANCE ..... 500VDC,  
1,000M-ohm Min

DIELECTRIC STRENGTH ..... 500VAC, one minute

POWER RATING ..... 0.5 Watt at 70°C, 0 Watt at 125°C

WORKING VOLTAGE ..... 250 VDC Max

ADJUSTMENT TRAVEL ..... 210° Nominal

## ENVIRONMENTAL

OXYGEN INDEX..... 32.5%

TEMPERATURE RANGE ....-55°C to + 125°C

ROTATIONAL LIFE .....Per MIL-R-22097, 200 Cycles w/o  
discontinuity, T/R Max. ±5%

LOAD LIFE .....Per MIL-R-22097, 1000 Hrs., T/R Max  
±3, SS Max ±3%

HIGH TEMP EXPOSURE ....Per MIL-R-22097, T/R Max  
±2%, SS Max ±2%

VIBRATION .....Per MIL-STD-202, Method 204, 20G,  
T/R Max ±1%, SS Max ±1%

SHOCK .....Per MIL-STD-202, Method 213, 100G, T/R  
Max ±2%, SS Max ±1%

SOLDERING HEAT ..... 3 sec. @ 350°C, T/R Max ±1%

THERMAL SHOCK ..... Per MIL-STD-202 Method 107  
T/R Max ±2%, SS Max ±1%

HUMIDITY .....Per MIL-STD-202, Method 202, T/R Max  
±3%, SS Max ±2%

MOISTURE RESISTANCE .....Per MIL-STD-202  
Method 106..... T/R Max ±3%

SEAL TEST ..... MIL-R-22097, 85°C

## MECHANICAL

ADJUSTMENT TRAVEL ..... 250° ± 10

TORQUE ..... 200 gf.cm (2.8 OZ-IN ) Max

STOP STRENGTH .....0.5 Kgf.cm (6.9 OZ-IN ) Min

WEIGHT ..... Approximately 0.4 gr. (P&W) 0.5 gr.

Specifications are subject to change without notice

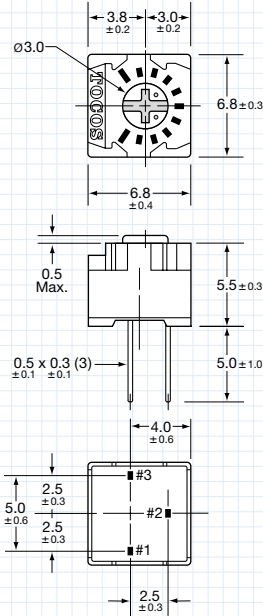
### How to build a part number:

Example for Tape&Reel or Ammo Pack - **GF06VT 105M L20** or **GF0UT2 204M L20**

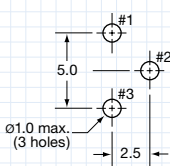
Example for bulk parts: **GF06P2-203K**

<u>GF06</u>	<u>P1</u>	<u>UT2</u>	<u>B</u>	<u>102</u>	<u>K</u>	<u>L20</u>	
*	*	*	*	*	*	*	Dimension = 20mm, from bottom of part to center of sprocket hole on tape carrier.
*	*	*	*	*	*	->	Resistance Tolerance: K= ± 10%, M= ± 20%
*	*	*	*	*	----->		Resistance Code: Expressed in ohms i.e.100=10 ohms, 101=100 ohms, 102=1,000 ohms, 105=1,000,000 ohms
*	*	*	*	----->			Resistance Taper: B = Linear
*	*	*		----->			Packaging: 1,000 pcs per reel or ammo box UT or VT=Tape&Reel, UT2 or VT2 =Ammo Box, Blank, No letters/number designated= Bulk parts see below
*	*			----->			Terminal Style: P, P1, P2W, U, U1, Y, Y1 = 3 Leads Top Adjust S, S1 X, X1, V, V1 = 3 Leads Bottom Adjust
*				----->			TOCOS Series name

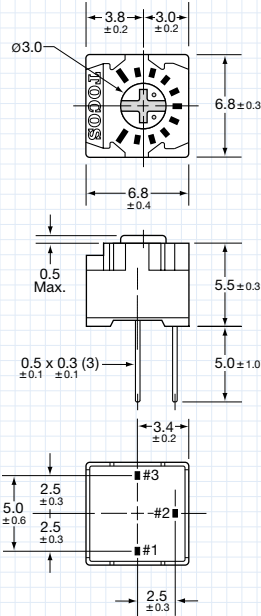
**GF06P Cross-Slot, Top Adjust, P Terminal Style**



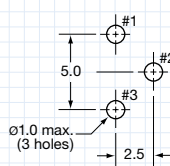
**Recommended PCB Layout**



**GF06P1 Cross-Slot, Top Adjust, P1 Terminal Style**

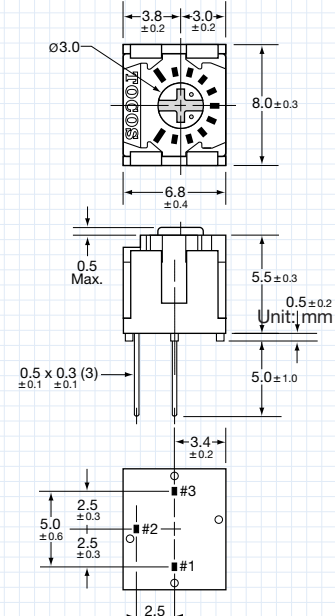


**Recommended PCB Layout**

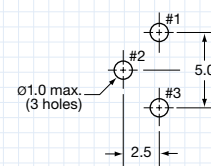


**GF06P2 Cross-Slot, Top Adjust, P2 Terminal Style**

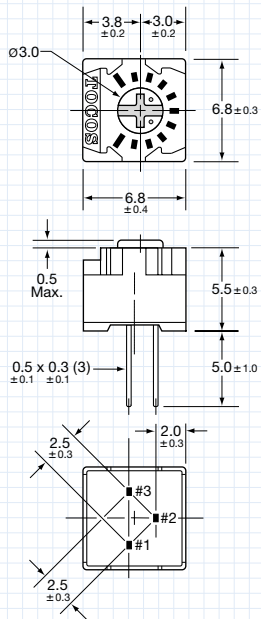
Unit: mm



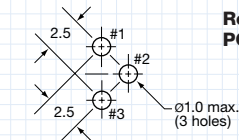
**Recommended PCB Layout**



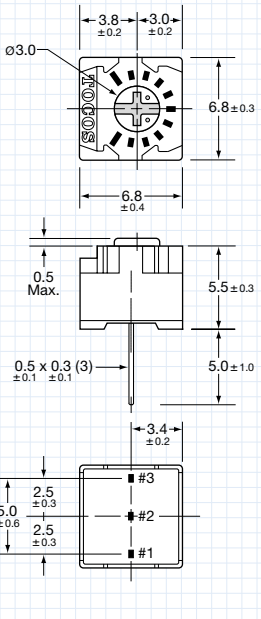
**GF06W Cross-Slot, Top Adjust, W Terminal Style**



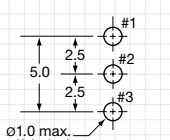
**Recommended PCB Layout**



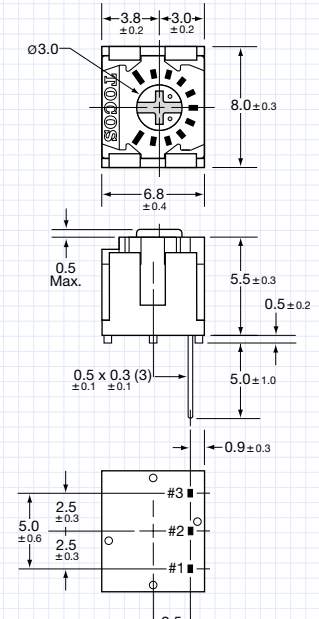
**GF06U Cross-Slot, Top Adjust, U Terminal Style**



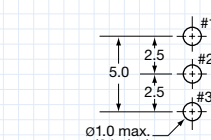
**Recommended PCB Layout**



**GF06U1 Cross-Slot, Top Adjust, U1 Terminal Style**

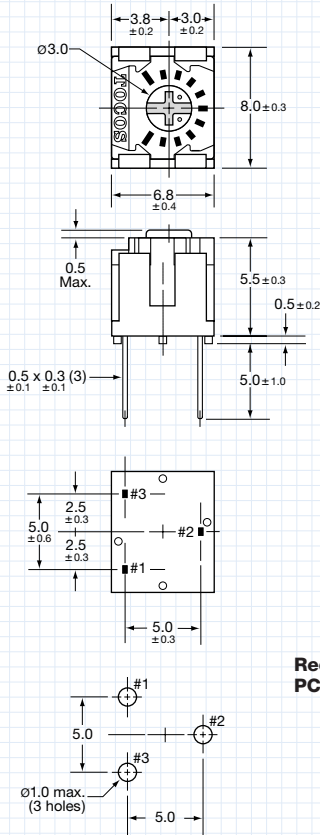


**Recommended PCB Layout**



**GF06Y**

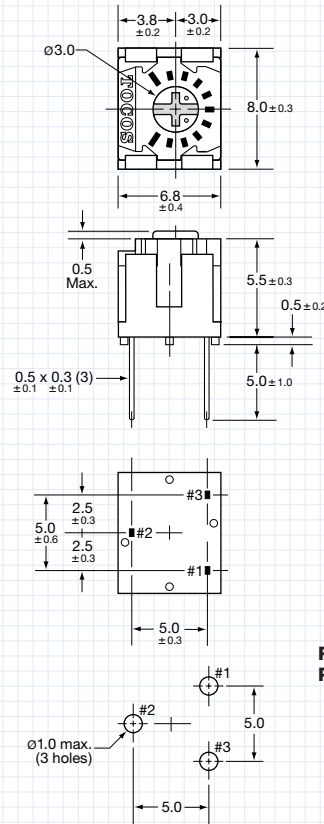
**Y Terminal Style, Cross-Slot, Top Adjust**



**Recommended PCB Layout**

**GF06Y1**

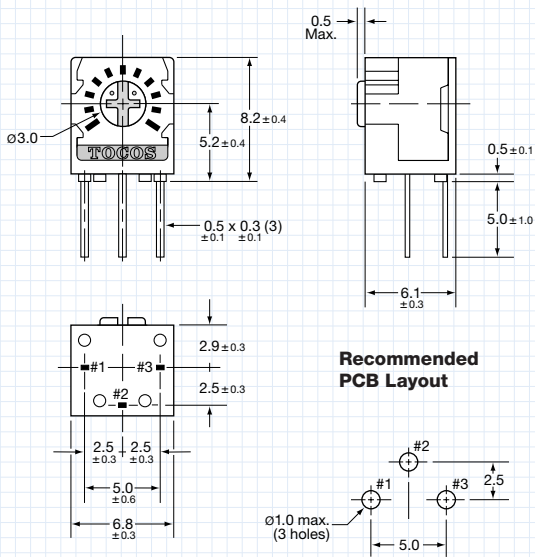
**Y1 Terminal Style, Cross-Slot, Top Adjust**



**Recommended PCB Layout**

**GF06S**

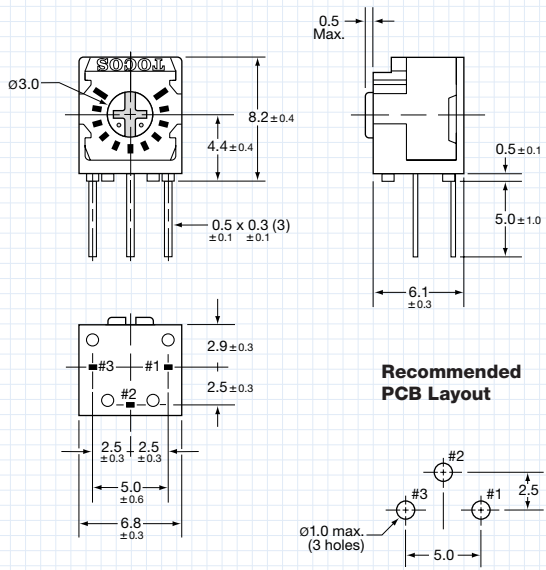
**S Terminal Style, Cross-Slot, Side Adjust**



**Recommended PCB Layout**

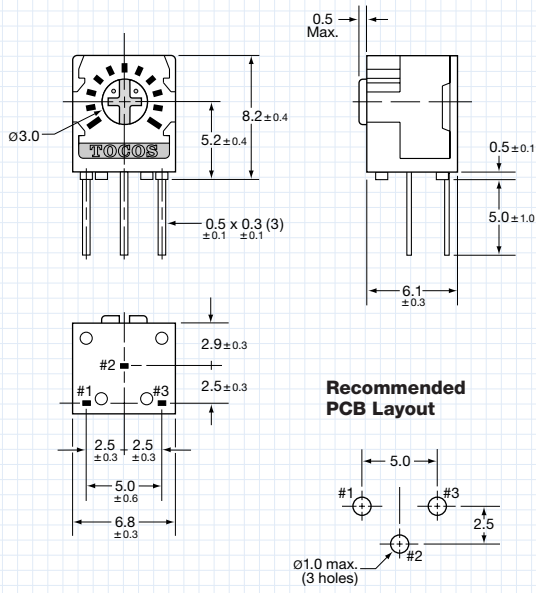
**GF06S1**

**S1 Terminal Style, Cross-Slot, Side Adjust**

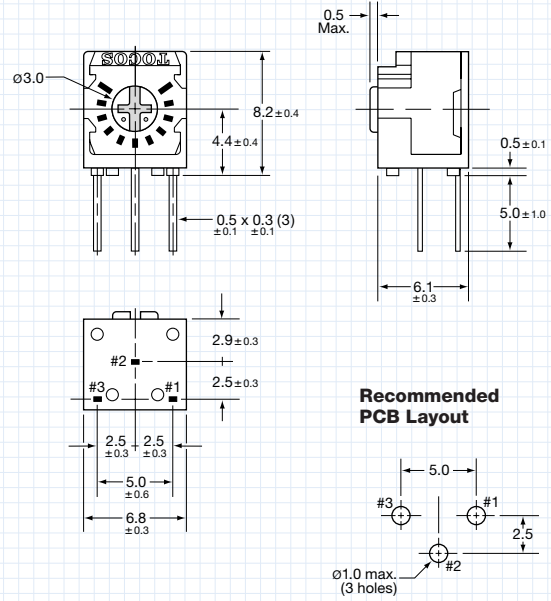


**Recommended PCB Layout**

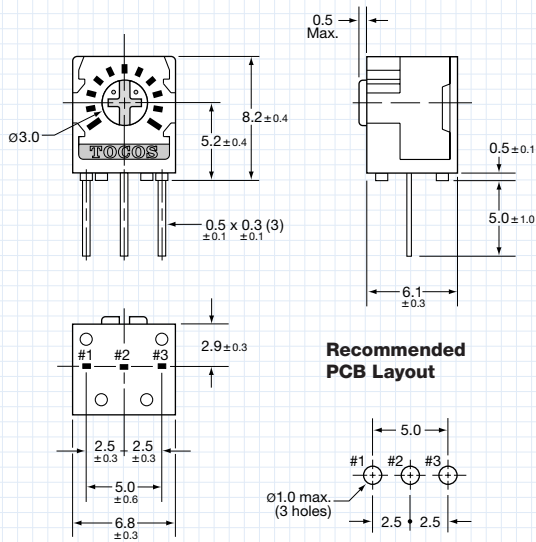
**GF06X**  
X Terminal Style, Cross-Slot, Side Adjust



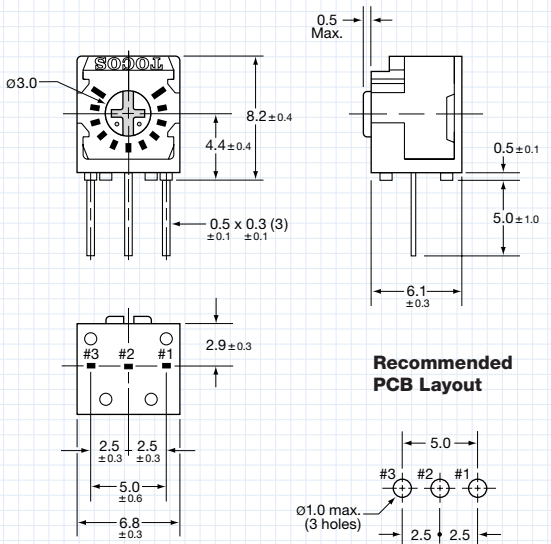
**GF06X1**  
X1 Terminal Style, Cross-Slot, Side Adjust



**GF06V**  
V Terminal Style, Cross-Slot, Side Adjust



**GF06V1**  
V1 Terminal Style, Cross-Slot, Side Adjust

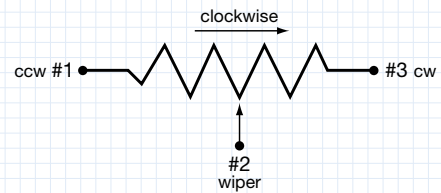
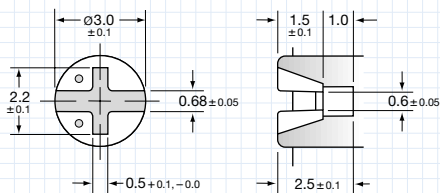


Rotor and Slot Dimensions

Electrical Schematic

All GF06 Models

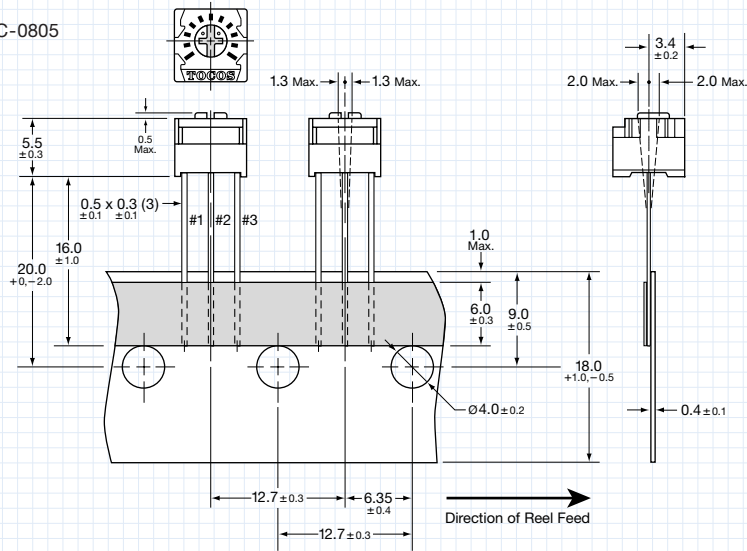
Unit: mm



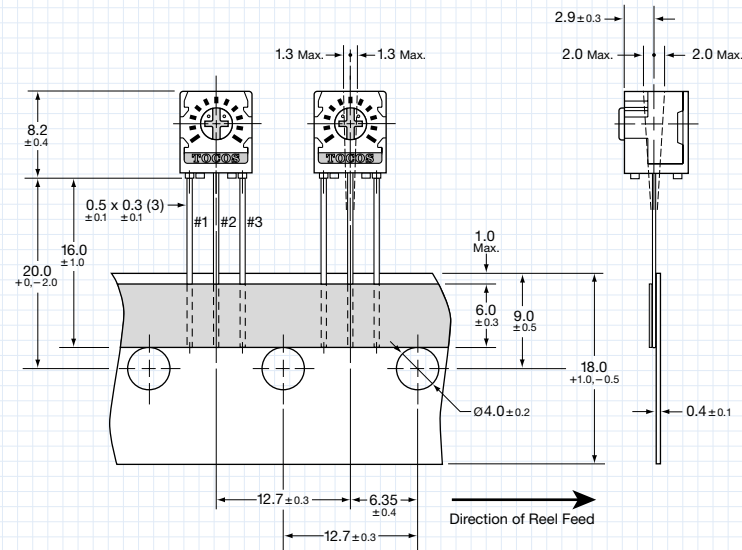
**Tape Dimensions**

Conforms to EIA-468-B and JIS-C-0805

**UT & UT2**



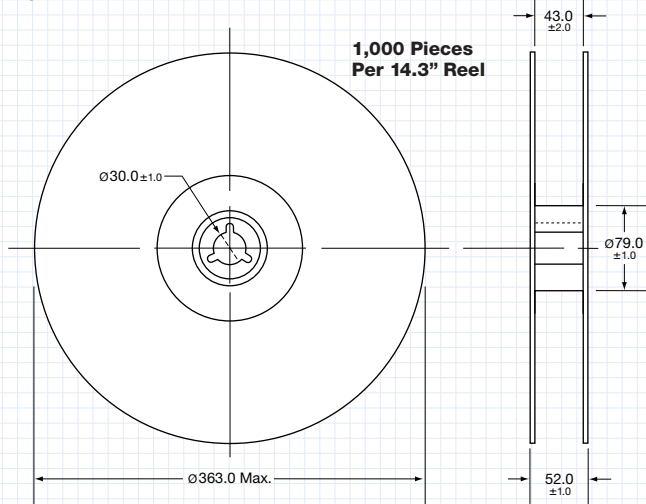
**VT & VT2**



**Reel Dimensions**

Conforms to EIA-468-B and JIS-C-0805

**UT & VT**



**Ammo Box Dimensions**

Conforms to EIA-468-B and JIS-C-0805

**UT2 & VT2**

