



### 822BYYY-173LYY1

SERIES \_\_\_\_\_  
 POSITIONS \_\_\_\_\_  
 YYY = SEE POSITION CHART  
 GENDER \_\_\_\_\_  
 1 = MALE  
 TYPE \_\_\_\_\_  
 7 = CABLE MOUNT  
 KEY ORIENTATION (SEE KEY ORIENTATION CHART) \_\_\_\_\_  
 3 = 1 KEY // 0°  
 A = 2 KEYS // 30°  
 COLLET SIZE \_\_\_\_\_  
 YY = SEE COLLET SIZE CHART  
 CONTACT PLATING \_\_\_\_\_  
 1 = 7μ" GOLD PLATED

KEY ORIENTATION	DIAGRAM
3	
A	

COLLET SIZE:	CABLE DIAMETER:
50	4.30 ~ 5.20
60	5.30 ~ 6.20
70	6.30 ~ 7.20
80	7.30 ~ 8.20
90	8.30 ~ 9.20
00	9.30 ~ 10.20

## SPECIFICATIONS:

### MATERIALS:

SHELL & COLLET NUT: BRASS, 196u" CHROME PLATED MIN.  
 CONTACTS: 7u" GOLD PLATED BRASS OVER 196u" NICKEL MIN.  
 INSULATOR: PPS (HIGH TEMPERATURE)  
 STRAIN RELIEF (BOOT): THERMOPLASTIC POLYURETHANE

### MECHANICAL:

MATING CYCLES: 5000 CYCLES  
 OPERATING TEMPERATURE: -40°C TO +200°C  
 PROCESS TEMPERATURE: 260°C FOR 5 SECONDS  
 SHIELDING: 75dB @ 10MHz // 40dB @ 1GHz  
 IP RATING: 50  
 MAX TORQUE VALUE: 2.5 Nm

### POSITION CHART // ELECTRICAL/WIRE SPECIFICATIONS

\*solder side view of insulator

POSITIONS	CONTACTS*	CONTACT Ø	MAX CONTACT mΩ	WORKING VOLTAGE	MAX AMPERAGE	MAX WIRE AWG
002		2.00mm	3.0 mΩ	700 V	12.0 A	16
003		1.60mm	4.0 mΩ	800 V	12.0 A	18
004		1.30mm	5.0 mΩ	610 V	12.0 A	20
006		1.30mm	5.0 mΩ	450 V	12.0 A	20
008		0.90mm	6.0 mΩ	500 V	6.0 A	22
010		0.90mm	6.0 mΩ	500 V	6.0 A	22
012		0.70mm	7.5 mΩ	480 V	6.0 A	24
014		0.70mm	7.5 mΩ	380 V	6.0 A	24
016		0.70mm	7.5 mΩ	315 V	6.0 A	24
019		0.70mm	7.5 mΩ	315 V	5.0 A	24
026		0.50mm	10.0 mΩ	315 V	2.0 A	28

UNITS = mm

DO NOT SCALE FROM DRAWING

RoHS COMPLIANT



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DRAWN:  
M. SIGMON

DATE:  
02/03/2016

NorComp

SCALE:  
NTS

SHEET OF  
1 1

REV  
9

DWG NO.

822BYYY-173LYY1

# Mouser Electronics

Authorized Distributor

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