

Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Bel Fuse Inc.](#)
[142-1801-556](#)

For any questions, you can email us directly:
sales@integrated-circuit.com

ITEM-①	ITEM-②	ITEM-③	ITEM-④	ITEM-⑤	ITEM-⑥	DRAWING NO.
PART NUMBER	BODY	CONTACT	INSULATOR	COUPLING NUT	RETENTION SPRING	EMI CASKET
142-1801-551	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	CONDUCTIVE SILICONE PER MIL-C-83528, TYPE M
142-1801-556	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER UNPLATED	CONDUCTIVE SILICONE PER MIL-C-83528, TYPE M

SOCKET TO ACCEPT
.012 ± .001 DIA PIN
.090 MAX DEPTH

4X Ø .067 ± .003

.499 REF

.390 ± .005

.065 ± .005

NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-26.5 GHz
VSWR: DEPENDANT UPON APPLICATION, TYPICALLY < 1.1 + .01F (F IN GHz)
WORKING VOLTAGE: 335 VRMS MAX AT SEA LEVEL
DIELECTRIC WITHSTANDING VOLTAGE: 1000 VRMS MIN AT SEA LEVEL
INSULATION RESISTANCE: 5000 MEGOHM MIN
CONTACT RESISTANCE:
CENTER CONTACT - INITIAL 8.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 5.0 MILLIOHM MAX
OUTER CONDUCTOR - INITIAL 2.0 MILLIOHM MAX, AFTER ENVIRONMENTAL NOT APPLICABLE
BRAID TO BODY - NOT APPLICABLE
CORONA LEVEL: 250 VOLTS MIN AT 70,000 FEET
INSERTION LOSS: DEPENDANT UPON APPLICATION, TYPICALLY < .006F (F IN GHz)
RF LEAKAGE: -80 dB MIN AT 2.5 GHz
RF HIGH POTENTIAL WITHSTANDING VOLTAGE: 670 VRMS MIN AT 4 AND 7 MHz

MECHANICAL:

ENGAGE/DISENGAGE TORQUE: 2 INCH-POUNDS MAX
MATING TORQUE: 7-10 INCH-POUNDS
COUPLING PROOF TORQUE: 15 INCH-POUNDS MIN
COUPLING NUT RETENTION: 60 LBS MIN
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
CABLE ACCEPTABILITY: NOT APPLICABLE
CABLE HEX CRIMP SIZE: NOT APPLICABLE
CABLE RETENTION: NOT APPLICABLE
DURABILITY: 500 CYCLES MIN

ENVIRONMENTAL:

(MEETS OR EXCEEDS THE APPLICABLE PARAGRAPH OF MIL-PRF-39012)

THERMAL SHOCK: MIL-STD-202, METHOD 107, CONDITION B
OPERATING TEMPERATURE: -65 DEG C TO 165 DEG C
CORROSION: MIL-STD-202, METHOD 101, CONDITION B
SHOCK: MIL-STD-202, METHOD 213, CONDITION I
VIBRATION: MIL-STD-202, METHOD 204, CONDITION D
MOISTURE RESISTANCE: MIL-STD-202, METHOD 106

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED
PER ANSI Y 14.5M - 1982

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED	DRAWN BY JRK	DATE 5-31-95	Cinch Connectivity Solutions 295 Johnson Ave. Ste. 100 Waukegan, IL 60087 1-800-247-8256
DECIMALS	CHECKED BY JRK	DATE 8-23-95	
.XX	APPROVED BY TAK	DATE 8-24-95	
.XXX	APPROVED BY RJB	DATE 8-25-95	
WTL	RELEASE DATE 8-29-95		
FINISH			

TITLE ASSY, PLUG, .375 SQ FLANGE MOUNT, FLANGE SOCKET .012, FIELD REPLACEABLE SMA	
CODE NO.	DRAWING NO.
	C - 142-1801-551/560
SCALE 10:1	U/M INCH
	SHEET 2 OF 2