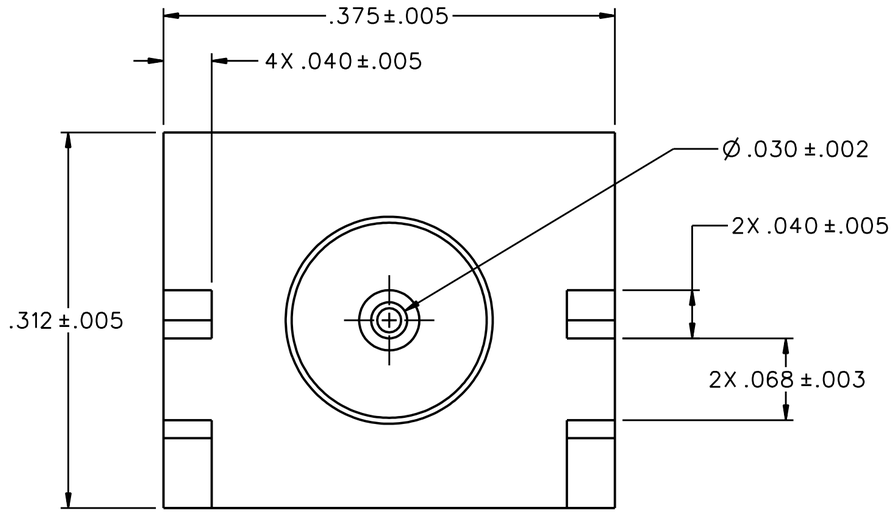
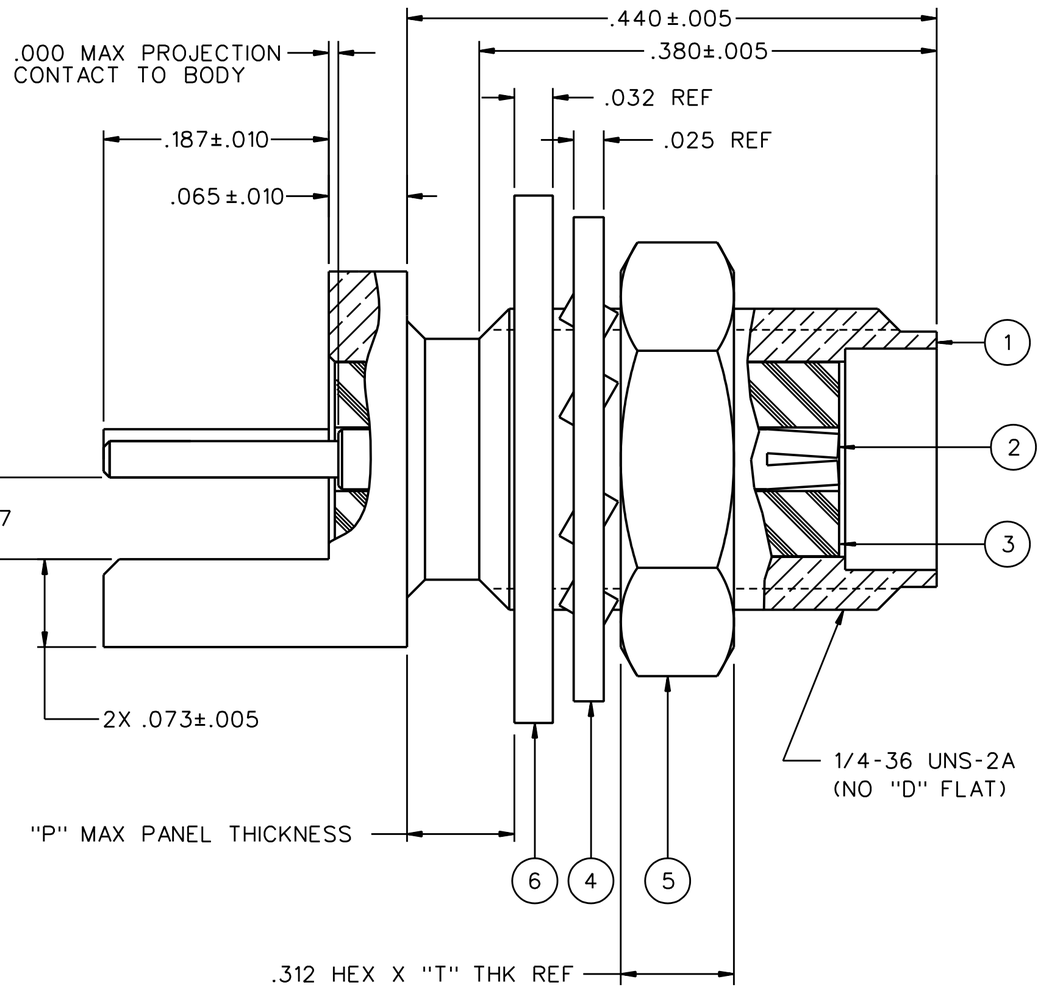
PART NUMBER	ITEM ① BODY	ITEM ② CONTACT	ITEM ③ INSULATOR	ITEM ④ LOCKWASHER	ITEM ⑤ NUT	ITEM ⑥ FLAT WASHER	"P"	"T"
142-0701-871	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BERYLLIUM COPPER GOLD PL .00005 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	TEFLON	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	———	.109	.094
142-0701-872	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	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	.078	.094
142-0701-873	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	BRONZE GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	———	.125	.062
142-0701-874	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 OVER	BRASS GOLD PL .00001 MIN OVER NICKEL PL .00005 MIN OVER COPPER PL .00005 MIN	.125	.062
142-0701-875	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	———	———	———	———	———
142-0701-876	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	BRONZE NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN OVER	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN OVER	———	.109	.094
142-0701-877	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	BRONZE NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN OVER	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN OVER	BRASS NICKEL PL .0001 MIN OVER COPPER PL .00005 MIN OVER	.094	.062





NOTES:

1. SPECIFICATIONS:

IMPEDANCE: 50 OHMS
FREQUENCY RANGE: 0-18 GHz
VSWR: <1.50 TYPICAL AT 0-18 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 3.0 MILLIOHM MAX, AFTER ENVIRONMENTAL 4.0 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: NOT APPLICABLE
RF LEAKAGE: NOT APPLICABLE
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: NOT APPLICABLE
COUPLING NUT RETENTION: NOT APPLICABLE
CONTACT RETENTION: 6 LBS MIN AXIAL FORCE
4 IN-OZ MIN RADIAL TORQUE
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

DRAWING NO.
C - 142-0701-871/880

0 REVISIONS

ENGINEERING RELEASE

1 | 10-7-93 | RH RJB PAH | 10-12-93 ECO 42087
CHANGED: .380+-.005 WAS .335+-.005

2 | 11-23-93 | RH RJB PAH | 12-1-93 ECO 42181
ADDED: PART NO'S 142-0701-871 AND -876, NOTES 2 AND 3
CHANGED: .068+-.007 WAS .068+-.006, UPDATED GRAPHICS

2a | 2-25-94 | RH SWC TAK RJB PAH | 3-2-94 ECO 42292
ADDED: WASHER AND NUT TO -871, -875 AND -876, 142-0701-872

3 | 3-29-94 | RH TAK RJB PAH | 3-30-94 ECN 42380
DELETED: -875, NOTE 3 TIN/ DIP LEGS

3a | 6-13-94 | RH TAK RJB PAH | 6-21-94 ECN 42520
ADDED: .000 MAX PROJECTION, CUT AWAY FLANGE DETAIL, MAX PANEL THICKNESS
CHANGED: 4X .040+-.005 WAS 2X .040+-.005
DELETED: .025+-.010, NOTE 2, P/N 142-0701-871/880

4 | 10-24-96 | RH JRK TAK RJB BA | ECN 44266
VERSION UPDATE

5 | 3-1-99 | RH TAK RJB BA | ECN 46209
ADDED: P/N 142-0701-872, ITEM 6 FLAT WASHER, "LOCK" TO ITEM 4, .025 REF, .312 HEX X .094 THK REF, .032 REF, "P" DIMENSION
CHANGED: ITEM 4 BRONZE WAS BRASS, "P" MAX PANEL THICKNESS WAS .125

6 | 11-25-02 | RH RJB | ECN 47962
ADDED: P/N 142-0701-873, DIM "T"

6a | 12-17-02 | RH RJB JF | 12-18-02 ECN 48651
ADDED: P/N 142-0701-874

6b | 8-27-03 | RH RJB | ECN 48967
ADDED: P/N 142-0701-874
****
* REVISION NUMBER FOLLOWED BY AN ALPHA *
* CHARACTER INDICATES DRAWING CLARIFI- *
* CATION OR PART NUMBER ADDITION ONLY. *
****

6c | 9-9-03 | RH TAK RJB | ECN 48998
ADDED: P/N 142-0701-875
****
* REVISION NUMBER FOLLOWED BY AN ALPHA *
* CHARACTER INDICATES DRAWING CLARIFI- *
* CATION OR PART NUMBER ADDITION ONLY. *
****

6d | 7-21-04 | RJB | 8-3-04 ECN 49375

CUSTOMER DRAWING

THIS DRAWING TO BE INTERPRETED PER ASME Y 14.5M - 1994

"μSTATION"

COMPANY CONFIDENTIAL

TOLERANCE UNLESS OTHERWISE SPECIFIED		DRAWN BY	DATE
DECIMALS	mm	RJB	9-27-93
.XX ———	———	CHECKED BY	DATE
.XXX ———	———		
MATL ———		APPROVED BY RJB	DATE 10-7-93
FINISH ———		RELEASE DATE	10-12-93
		U/M INCH	SCALE 10:1

cinch CONNECTIVITY SOLUTIONS a bel group
P.O. Box 1732
Waseca, MN 56093
1-800-247-8256

TITLE
JACK ASSEMBLY
END LAUNCH
SMA

SHEET 1 OF 1

DRAWING NO.
C - 142-0701-871/880