K&E 10 7155 2-72 2200•

5050-0033

NOTES:

1. MATING:

Interface dimensions per Mil-C-39012/N Series and Solitron/Microwave MD-109.

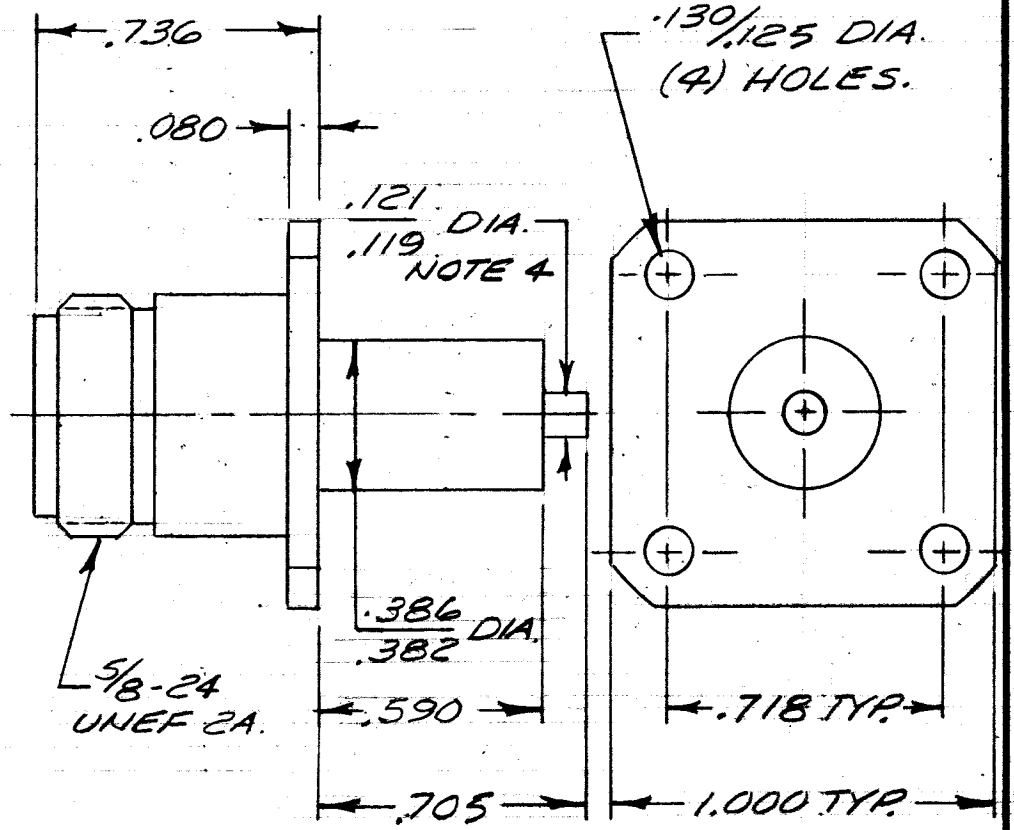
2. MATERIALS:

Body:	Brass ½H, per QQ-B-626, Alloy 360.
Contact:	Beryllium Copper per QQ-C-530, Cond. H, Alloy 173.
Dielectric:	Teflon per Mil-P-19468 and L-P-403, Type I.

3. FINISH:

Body:	Nickel per QQ-N-290, Class 2.
Contact:	Gold per Mil-G-45204, Type II, Grade C, Class 2; over Copper per Mil-C-14550, Class 4.

4. Contact Non Captivated. (Shipped Loose)



SYM	DESCRIPTION	DATE	APPR.
-	REL. F 7609	1/29/80	DGG

UNLESS OTHERWISE SPECIFIED
1. REMOVE ALL BURRS
2. BREAK ALL CORNERS & EDGES .005 R MAX.
3. CHAMFER 1ST & LAST THREADS 45°
4. SURFACE ROUGHNESS 63 ✓ MIL-STD-10
5. DIAMETERS ON COMMON CENTERS TO BE CONCENTRIC WITHIN T.I.R.
6. ALL DIMENSIONS ARE AFTER PLATING

DIMENSIONS ARE IN INCHES
TOLERANCES

DECIMALS	FRACTIONAL	ANGULAR
.X ± .030	± 1/64	X° ± 1°0'
.XX ± .015		
.XXX ± .005		X°X' ± 15'

DRAWN JJD DATE 1/29/80
CHECKED DATE
APPROVED DGG DATE 1/30/80

SOLITRON/MICROWAVE
PORT SALERNO, FLORIDA

MATERIAL
FINISH

REF. ENGINEERING DATA DRAWING

TITLE TYPE "N" NON-CAPTIVE PANEL RECEPTACLE

SCALE	CODE IDENT. NO.	SIZE	DRAWING NO.
2X	95077	A	SHT 1 OF 2 5050-0033

ENG. FILE COPY

"DESIGN CRITERIA"

5050-0033

REQUIREMENT	RATING
Nominal Impedance (ohms)	50
Frequency Range (ghz)	DC-12.4
Voltage Rating (max. vrms)	1000
Temperature Rating (degrees centigrade)	-65 To +165
VSWR * (max.)	1.07 +.007xFGHz
Insertion Loss (dB max.)	$.06x\sqrt{FGHz}$
RF Leakage (min. dB down)	100 dB-FGHz
RF High Potential (max. vrms)	2000 AT 5MHz
Dielectric Withstanding Voltage (max. vrms)	3000
Insulation Resistance (min. megohms)	5000
Contact Resistance Center Contact (max. milliohms) Outer Contact (max. milliohms)	 1.0 0.2
Center Contact Axial Forces Insertion (max. ounces) Withdrawal (min. ounces)	 24.0 2.0
Connector Durability (min. cycles)	500
Connector Engagement & Disengagement (max. inch lbs.)	2.0

REQUIREMENT	RATING
Vibration	MIL-STD-202 method 204 Cond. D (20G's)
Shock	MIL-STD-202 method 213 Cond. I (100G's)
Temperature Cycling	MIL-STD-202 method 102 - Cond. C (-65°c To +200°c)
Corrosion	MIL-STD-202 method 101 Cond. B (48 hrs.)
Moisture Resistance	MIL-STD-202 method 106 less step 7b
Barometric Pressure (Altitude)	MIL-STD-202 method 105 Cond. C (70,000 ft.) (750 vrms)
Hermeticity	N/A

REMARKS: 1.) RECOMMENDED MATING TORQUE: 35-40 INCH POUNDS.
*2.) WHEN PROPERLY TERMINATED IN A 50 OHM LOAD.

TITLE		SHEET	DRAWING NO.	REV.
TYPE N, RECEPTACLE PANEL MOUNTED	SOLITRON/MICROWAVE PORT SALERNO, FLORIDA	2 OF 2	5050-0033	-