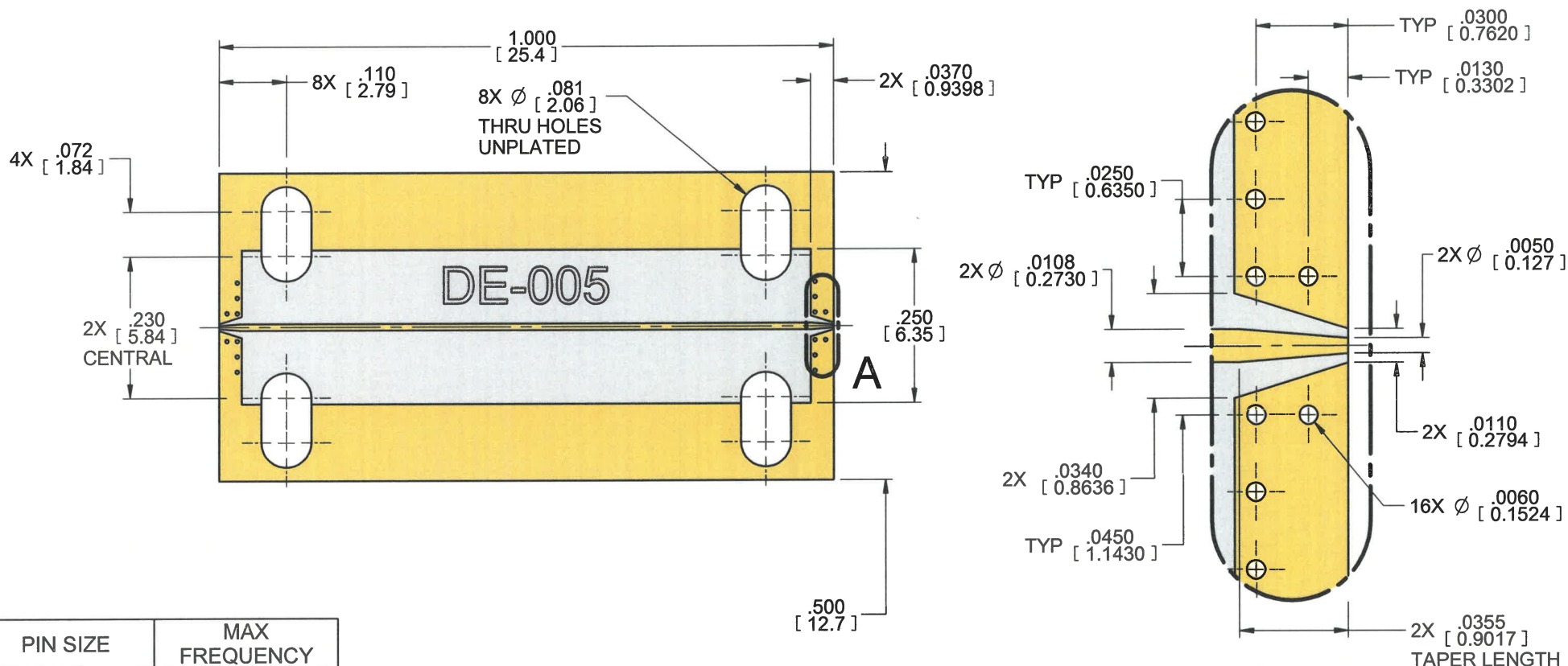


MODEL No.:

B3003-5M-110

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## LAYER STACK-UP

LAYER 1	PRIMARY (TOP) SIDE
LAYER 2	GROUND PLANE

- ← AIR ABOVE RF TRACE
- ← .002" 1/2 oz Cu CONDUCTOR
- ← .005" ROGERS R03003 CORE
- ← .002" 1/2 oz Cu CONDUCTOR

## DETAIL A

DOCUMENT CONTROL

SEP 05 2019

### DIELECTRIC INFORMATION:

h = [.005"] DIELECTRIC THICKNESS


E = [3.00] DIELECTRIC CONSTANT

MATERIAL: R03003™

2. THIS TRANSITION IS OPTIMIZED TO HAVE THE END LAUNCH CONNECTOR ELECTRICALLY CONNECTED TO LAYER 1 (TOP) AND LAYER 2 (GROUND). THE ELECTRICAL PERFORMANCE WILL SIGNIFICANTLY REDUCE IF ADDITIONAL SUBSTRATE AND CONDUCTOR LAYERS ARE PLACED BETWEEN LAYER 2 AND THE END LAUNCH CONNECTOR, EVEN IF PLATED.

1. ALL DIMENSIONS ARE IN INCHES. ALL ANGLES ARE IN DEGREES. DIMENSIONS SHOWN IN BRACKETS [XXX] ARE IN MILLIMETERS.

NOTES: UNLESS OTHERWISE SPECIFIED.

REV A	RELEASE	APRVD. DE	DATE: 9/4/19	TITLE B3003-5M-110 (DE-005) TEST BOARD 5 MIL 3003 MS
 <b>SOUTHWEST MICROWAVE</b> Southwest Microwave, Inc. 9055 South McKerny Street Tempe, Arizona 85284-2946 Telephone (480) 783-0201 Fax (480) 783-0360				DRN BY: JAC DATE: 08/19/19 SCALE: 4:1 SHEET: 1 OF 1
DWG. NO. 91X68959				REV. A