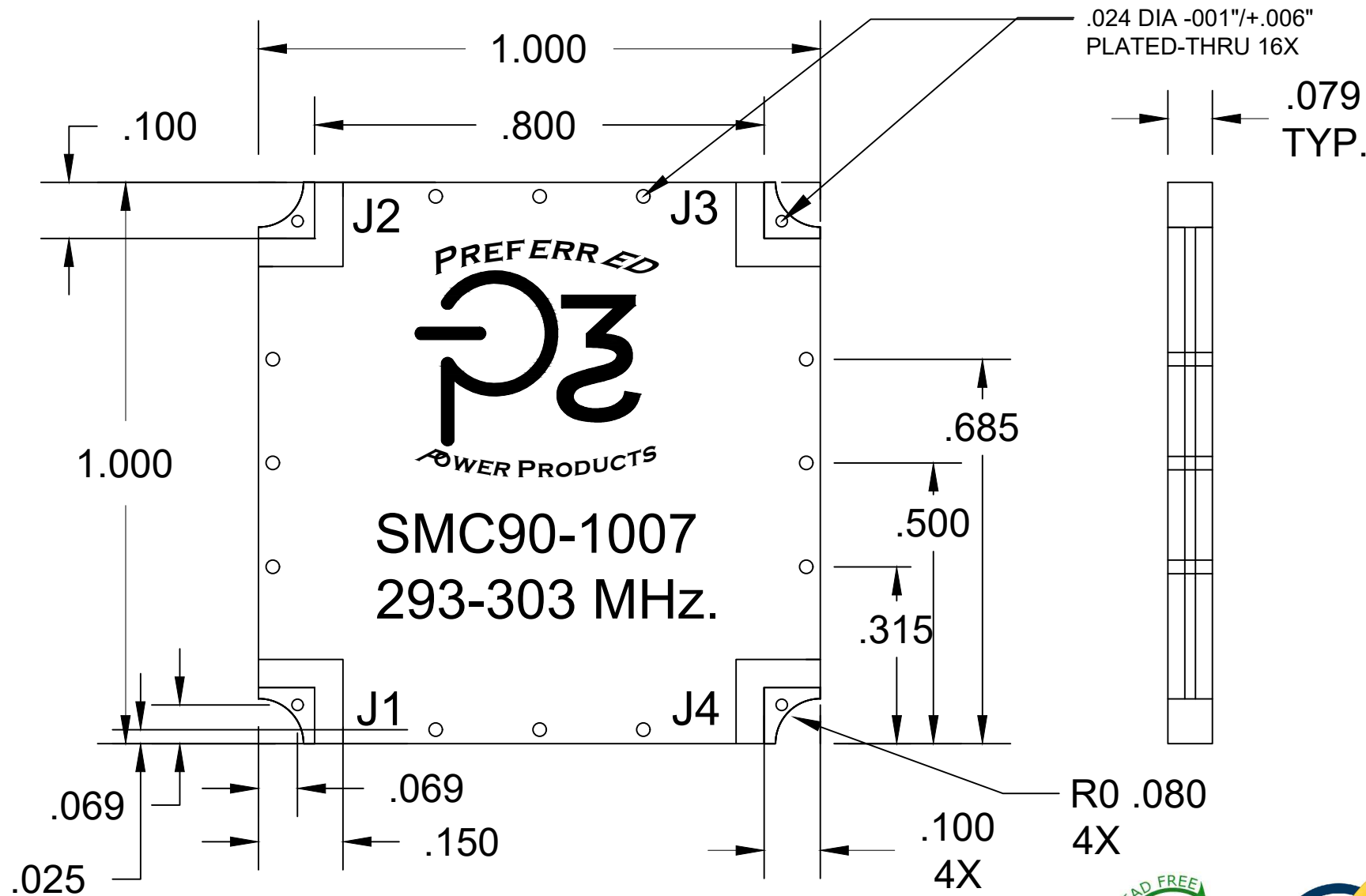


REV	RELEASE	DESCRIPTION	APPR	DATE
A	NEW	INITIAL RELEASE	PD	10/16/17



PREFERRED
POWER PRODUCTS
SMC90-1007
293-303 MHz.

PORT CONFIGURATION

PORTS	J1	J2	J3	J4
J1	--	0°	-90°	ISO
J2	0°	--	ISO	-90°
J3	-90°	ISO	--	0°
J4	ISO	-90°	0°	--

SPECIFICATIONS:

Frequency: 293-303 MHz.
 Power: 300 Watts CW
 Insertion Loss: 0.17 dB Max.
 Isolation: 35 dB Min.
 Phase Bal.: 90° ±1.0° Max.
 VSWR: 1.07 Typ.
 Amplitude Bal.: ±0.1 dB Max.
 Oper. Temp.: -55° to +85°C

MATERIALS:

Board material: PTFE
 Finish: Emmersion Tin Plate



 PREFERRED POWER PRODUCTS PALM CITY, FLORIDA 3499)	UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES TOLERANCES: <table border="1"> <thead> <tr> <th>DECIMALS</th> <th>ANGULAR</th> </tr> </thead> <tbody> <tr> <td>.X ± .1</td> <td>± .5°</td> </tr> <tr> <td>.XX ± .01</td> <td></td> </tr> <tr> <td>.XXX ± .005</td> <td></td> </tr> </tbody> </table>	DECIMALS	ANGULAR	.X ± .1	± .5°	.XX ± .01		.XXX ± .005		PART NO. SMC90-1007 HYBRID COUPLER, SMT, 90 DEGREE 293 - 303 MHz. 300 WATT, CW
	DECIMALS	ANGULAR								
.X ± .1	± .5°									
.XX ± .01										
.XXX ± .005										
THIS DRAWING AND ALL CONTENTS HEREIN, ARE THE SOLE, PROPRIETARY PROPERTY OF PREFERRED POWER PRODUCTS, LLC AND MAY NOT BE USED, REPRODUCED OR DISCLOSED WITHOUT EXPRESSED WRITTEN CONSENT.	CHECKED PD 10/16/17 APPROVED PD 10/16/17 DRAWN PD 10/16/17 ENGINEER PD 10/16/17 CAGE CODE 7W5T7 SCALE 1:1 SHEET 1 OF 1									