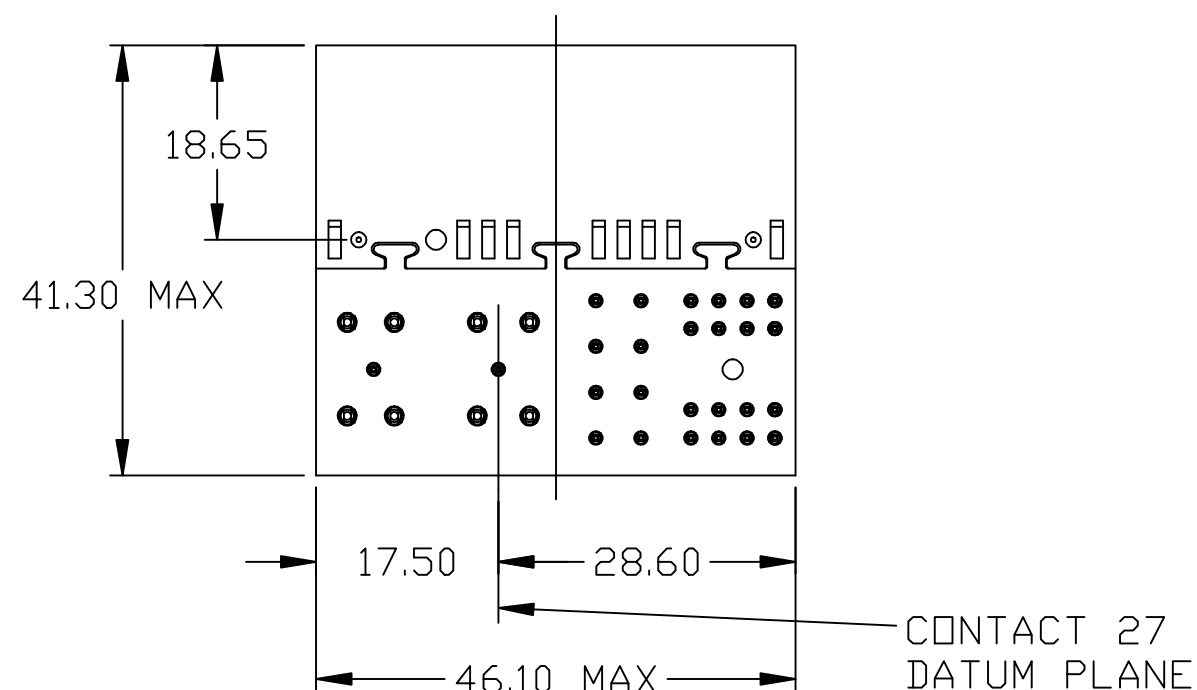
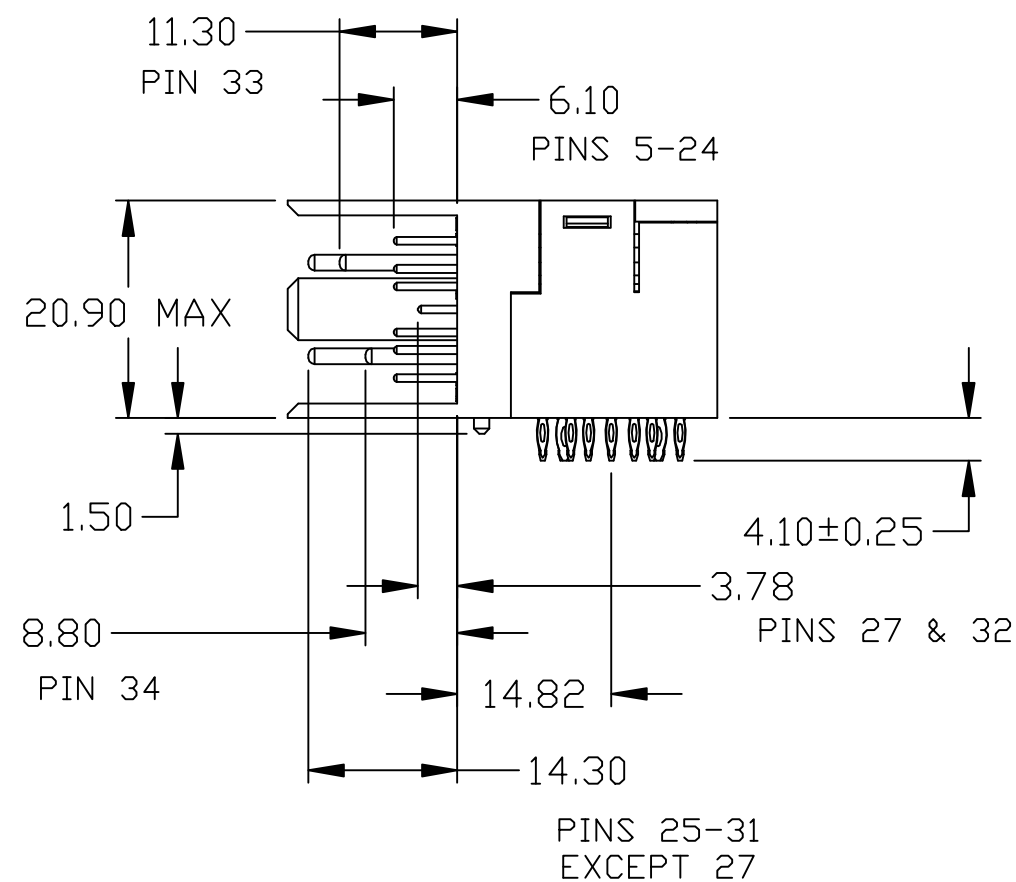
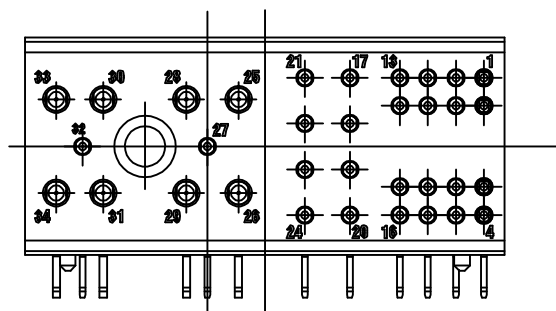


3M™ POWER RIGHT ANGLE MALE CONNECTOR
FOR ATCA APPLICATIONS



NOTES:

1. MATERIALS AND FINISH:
INSULATOR: GLASS FILLED POLYESTER (PBT) UL94V-0
CONTACTS: COPPER ALLOY

2. PLATING:

-ES
FINISH: 0.76um MIN Au
UNDERCOAT: 1.27um MIN Ni
-G
FINISH: 0.25um MIN Au
UNDERCOAT: 1.27um MIN Ni
-DA
FINISH: 0.08um MIN Au
UNDERCOAT: 1.27um MIN Ni

3. ELECTRICAL CHARACTERISTICS

INSULATION RESISTANCE --- 5×10^9 OHMS
INITIAL CONTACT RESISTANCE
POWER CONTACT ----- 2.2 MILLIOHMS MAX
SIGNAL CONTACT ----- 8.5 MILLIOHMS MAX
VOLTAGE PROOF
PIN 1-16: 1000 VR.M.S
PIN 17-34: 2000 VR.M.S
CURRENT CARRYING CAPACITY
SIGNAL PINS: 1A
POWER PINS: 16A

4. SEE THE REGULATORY INFORMATION APPENDIX
(RIA) IN THE "RoHS COMPLIANCE" SECTION
OF: WWW.3MCONNECTOR.COM FOR COMPLIANCE
INFORMATION (RIA E1 & C1 APPLY).

5. REFERENCE DOCUMENT: 78-9101-3345-9

6. IN THE EVENT OF CONFLICT BETWEEN THIS DATA
AND THAT CONTAINED IN THE PRODUCT SPEC.,
THE PRODUCT SPEC. TAKES PRECEDENT.

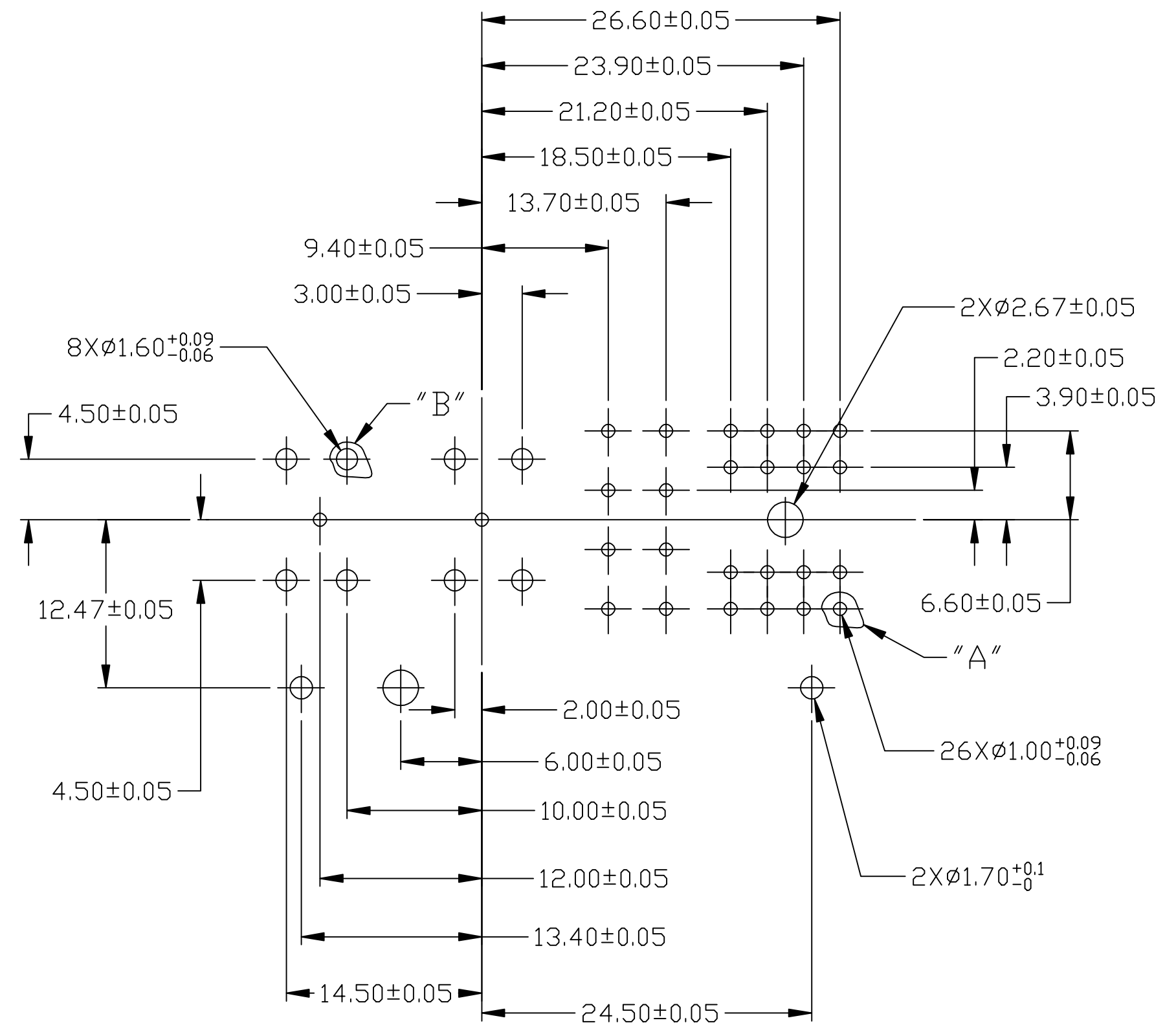
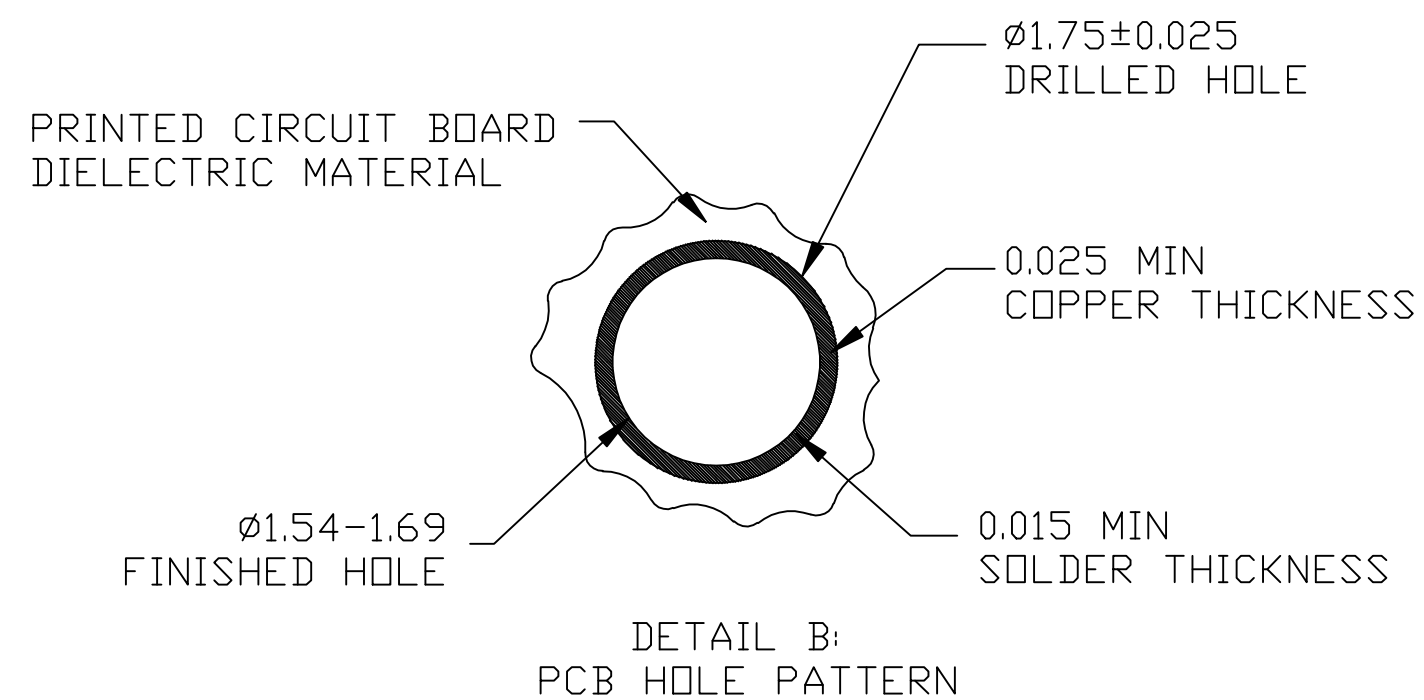
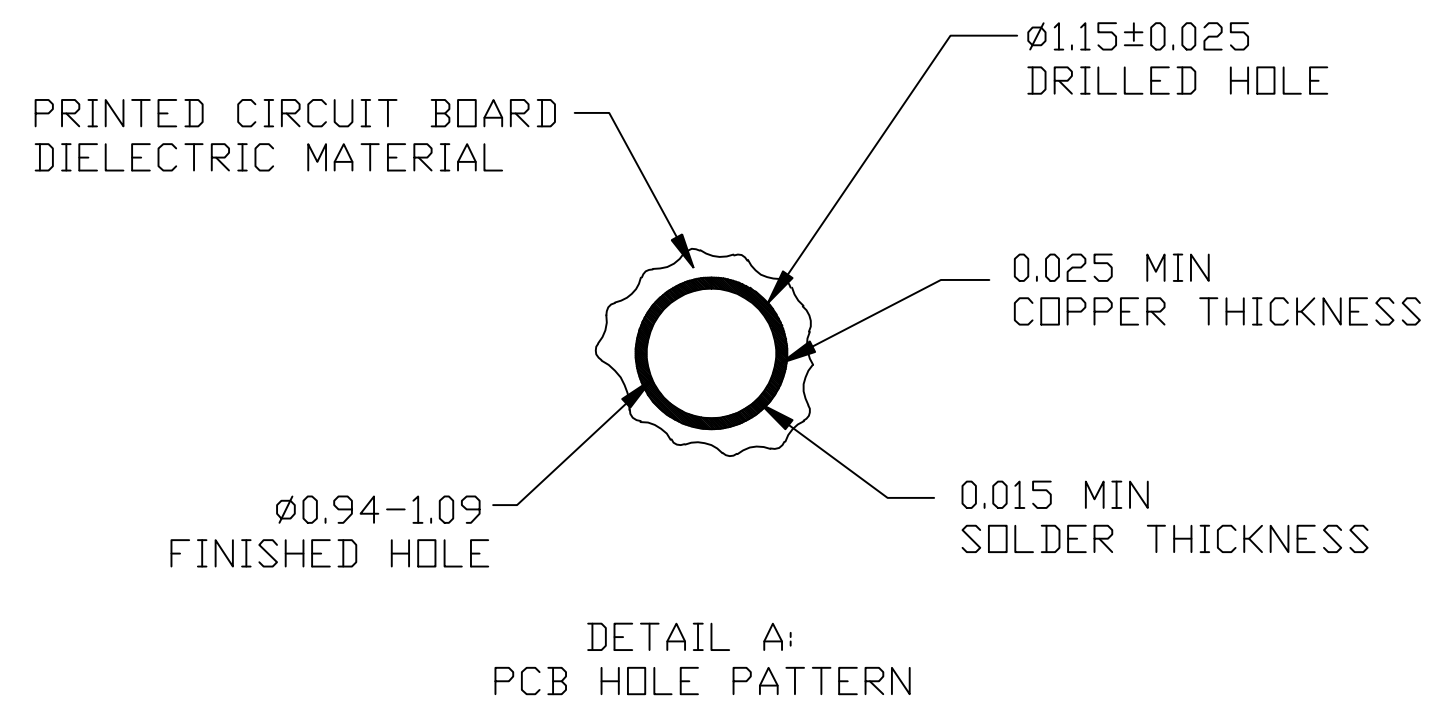
7. PART No:	PART DESCRIPTION	CONTACT POSITIONS
	2P01-0100-XX	34
	2P01-0200-XX	30, EXCEPT POSITIONS 1-4
	2P01-0300-XX	22, EXCEPT POSITIONS 1-4, 17-24
	-XX IS PLATING TYPE	

8. FOR MATING PRODUCT USE:
2P02-0X00-XX ATCA POWER BACKPLANE
FEMALE CONNECTOR

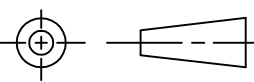
9. PCB THICKNESS: MINIMUM:2.00MM
MAXIMUM:5.00MM

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DISTRIBUTION CODES		DRFT	ML	DATE 1/10/11	MFG	DATE
		CHKD	TS	DATE 1/10/11	APPL	DATE
DIVISION	DIVISION CODE	 3M Center St. Paul, MN 55144 © 3M COPYRIGHT This document is the copyrighted property of the 3M Company and may not be reproduced without 3M written permission or used for other than 3M authorized purposes.				
DO NOT SCALE DRAWING	SCALE					
THIRD ANGLE PROJECTION	TOLERANCES EXCEPT AS NOTED	TITLE 2P01-0X00-XX ATCA POWER RIGHT ANGLE MALE CONNECTOR				
INTERPRET PER ASME Y14.5 - 1994	INCHES .0 ± * .00 ± * .000 ± * .0000 ± *					
MAX SURFACE ROUGHNESS □ ALL SURFACES ✓ □ MARKED ONLY	MILLIMETERS 0 ± * .0 ± 0.30 .00 ± 0.20 .000 ± 0.10	CAGE NUMBER	SIZE	DRAWING NO.	REV.	
	ANGLES ± 1°	MODEL		78-5100-2376-1	A	
				DET. LISTS	□ YES □ NO	SHT 1 OF 2

3M™ POWER RIGHT ANGLE MALE CONNECTOR FOR ATCA APPLICATIONS



RECOMMENDED PC BOARD REQUIREMENTS
(COMPONENT SIDE OF BOARD SHOWN)

DESIGN REFERENCE		NEXT ASSEMBLY		REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTRIBUTION CODES				DRFT	ML	DATE 1/10/11	MFG	DATE	
				CHKD	TS	DATE 1/10/11	APPL	DATE	
DIVISION			DIVISION CODE		3M 3M Center St. Paul, MN 55144 © 3M COPYRIGHT. This document is the copyrighted property of the 3M Company and may not be reproduced without 3M written permission or used for other than 3M authorized purposes.				
DO NOT SCALE DRAWING		SCALE							
		TOLERANCES EXCEPT AS NOTED		TITLE 2P01-0X00-XX ATCA POWER RIGHT ANGLE MALE CONNECTOR					
THIRD ANGLE PROJECTION		INCHES							
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS							
MAX SURFACE ROUGHNESS		.0 ± .30		CAGE NUMBER		SIZE		DRAWING NO.	
☐ ALL SURFACES		.00 ± .20		C		78-5100-2376-1		REV.	
☒ MARKED ONLY		.000 ± .10						A	
		ANGLES ± 1°		MODEL		DET. LISTS		SHT 2 OF 2	
						☐ YES ☐ NO			