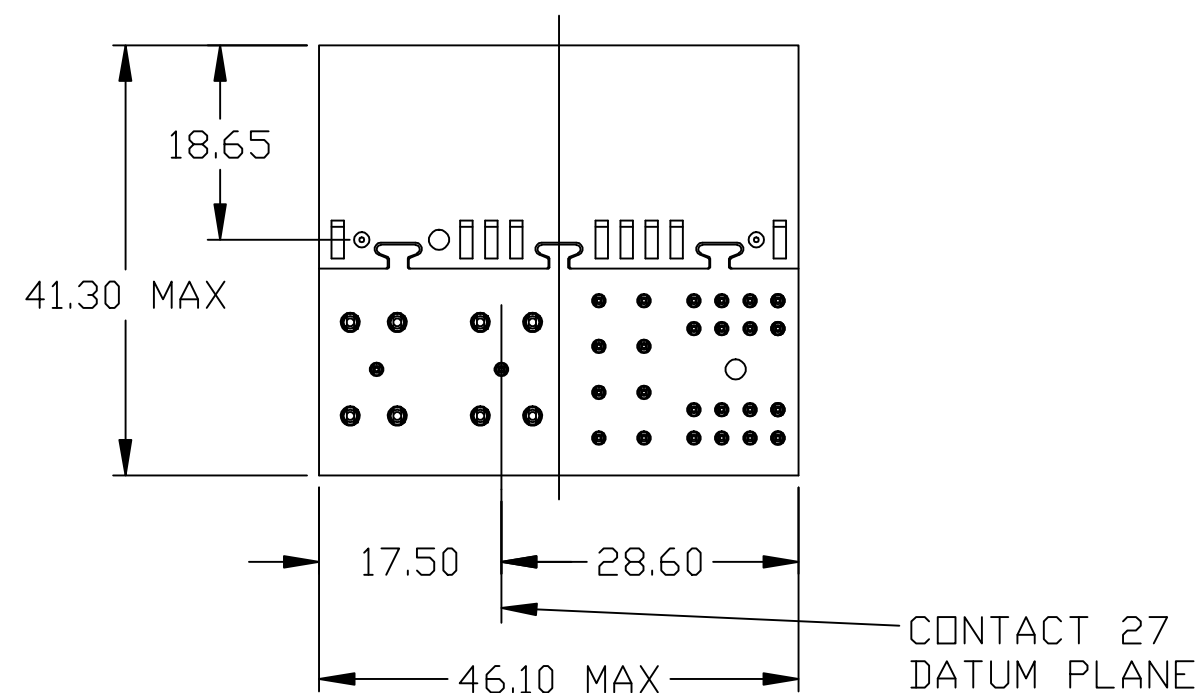
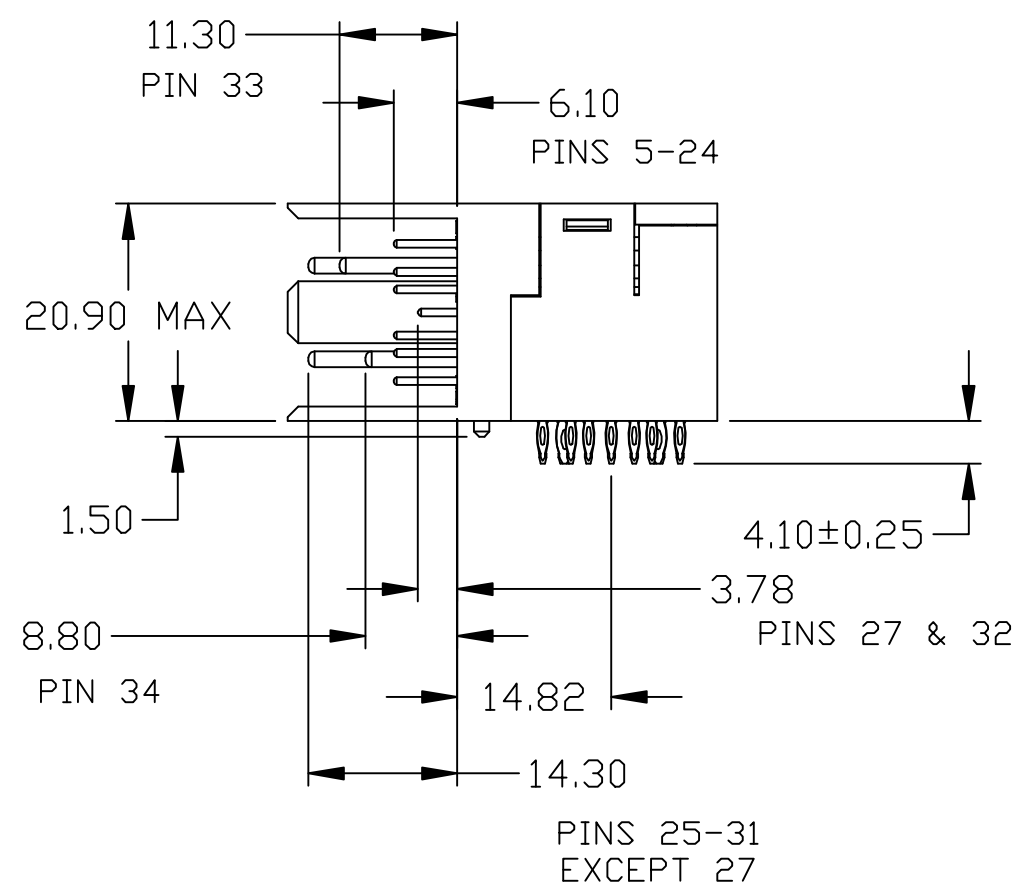
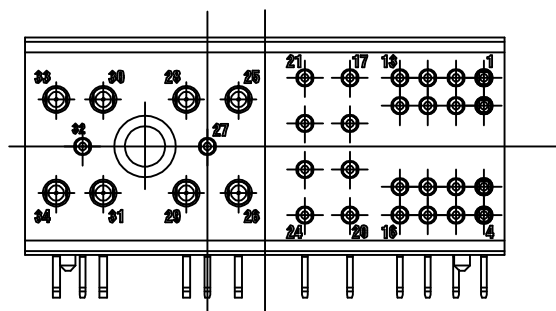


3M™ POWER RIGHT ANGLE MALE CONNECTOR
FOR ATCA APPLICATIONS



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).

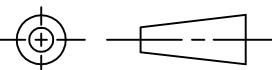
5. REFERENCE DOCUMENT: 78-9101-3345-9

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

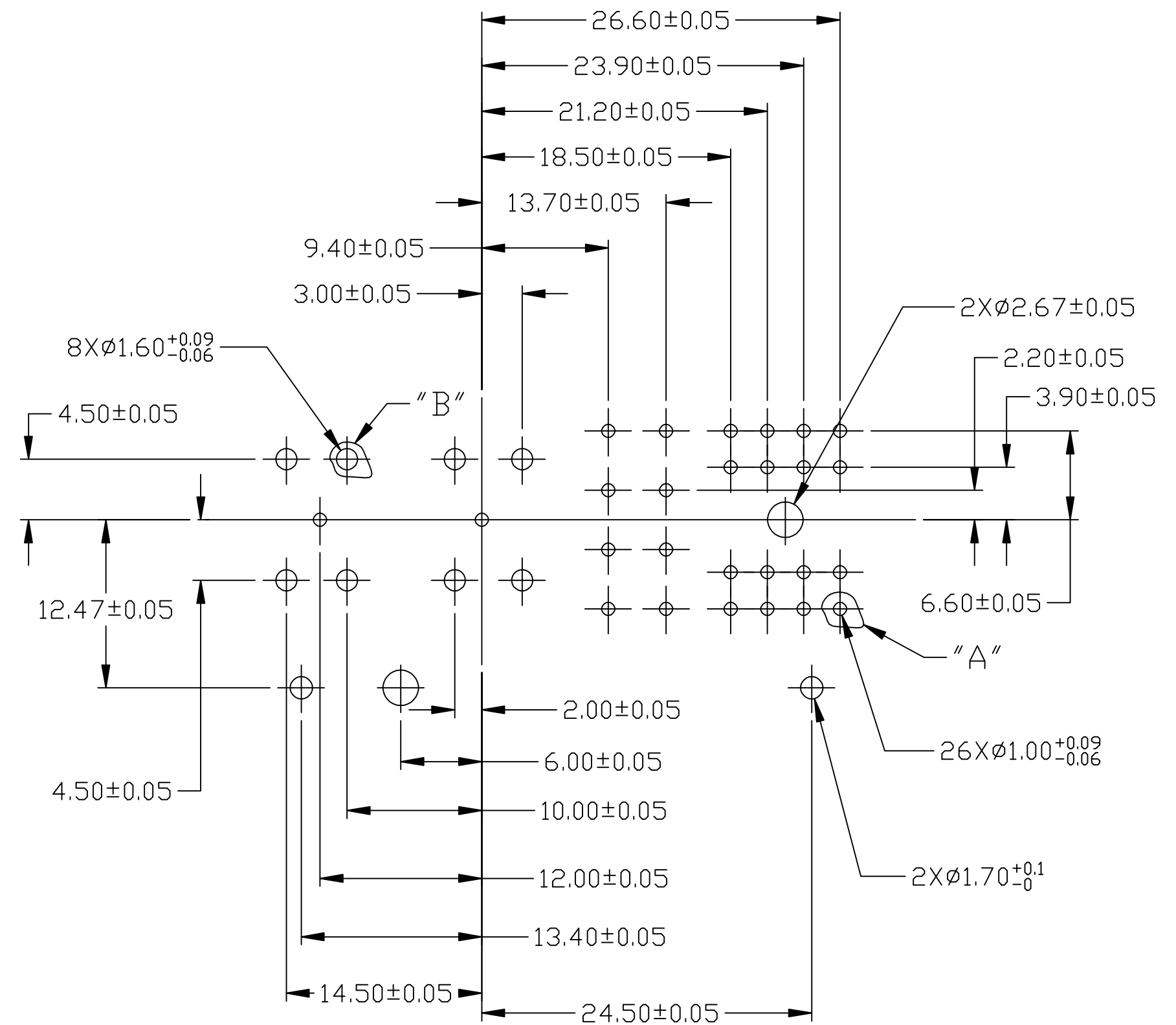
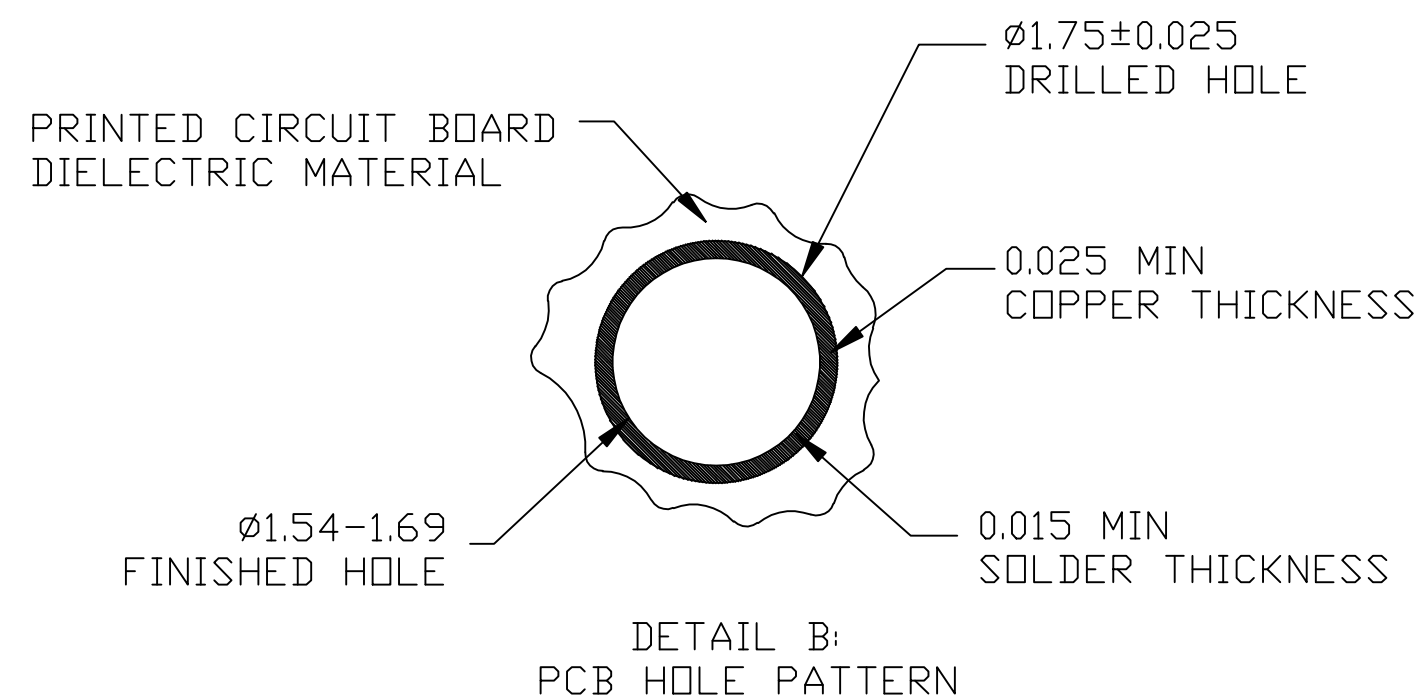
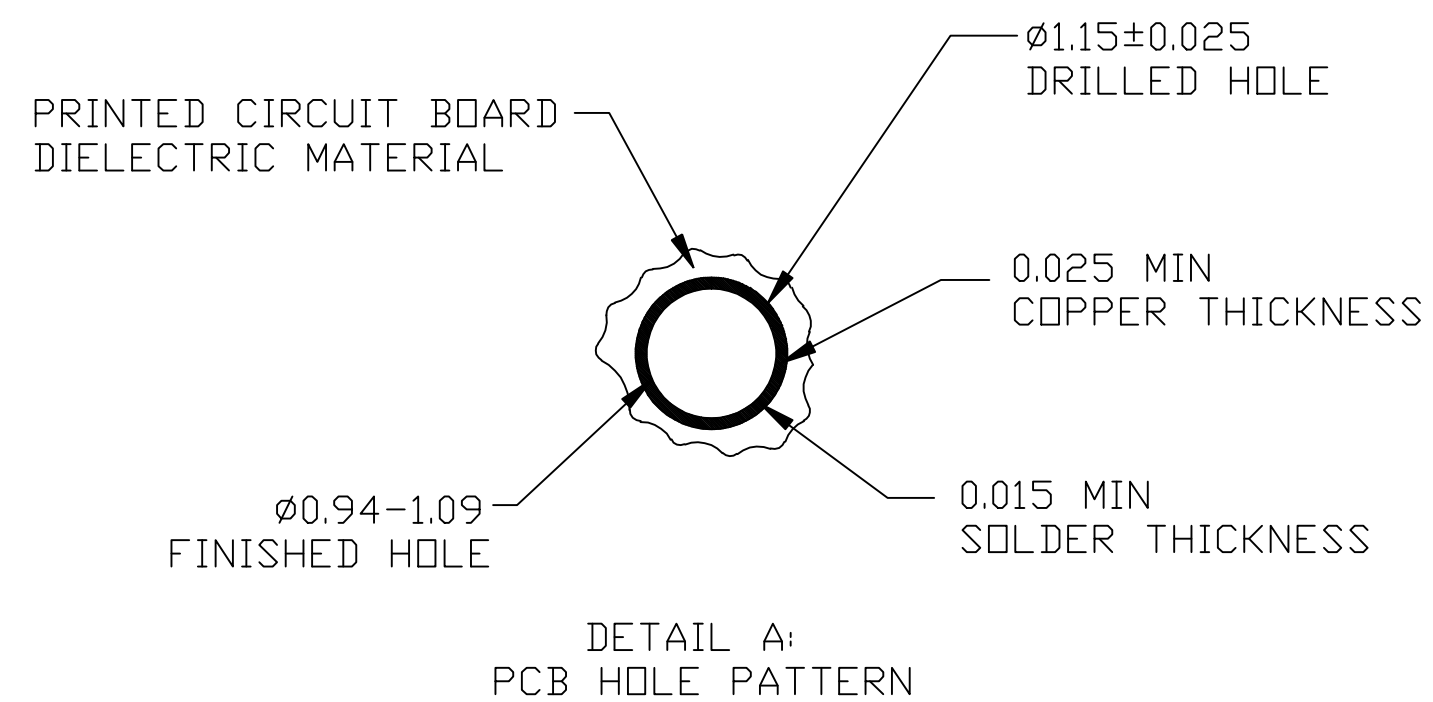
7. PART No.:	PART DESCRIPTION	CONTACT POSITIONS
	2P01-0100-XX	34
	2P01-0200-XX	30, EXCEPT POSITIONS 1-4
	2P01-0300-XX	22, EXCEPT POSITIONS 1-4, 17-24
-XX IS PLATING TYPE		

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 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															
		THIRD ANGLE PROJECTION				INCHES .0 ± * .00 ± * .000 ± * .0000 ± *				TITLE 2P01-0X00-XX ATCA POWER RIGHT ANGLE MALE CONNECTOR											
INTERPRET PER ASME Y14.5 - 1994		MILLIMETERS 0 ± * .0 ± 0.30 .00 ± 0.20 .000 ± 0.10																			
MAX SURFACE ROUGHNESS						CAGE NUMBER						SIZE	DRAWING NO.						REV.		
☒ ALL SURFACES ☐ MARKED ONLY						ANGLES ± 1°						C		78-5100-2376-1						A	
						MODEL						DET. LISTS						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							
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 C		DRAWING NO. 78-5100-2376-1		REV. A	
		ANGLES ± 1°		MODEL		DET. LISTS □ YES □ NO		SHT 2 OF 2	