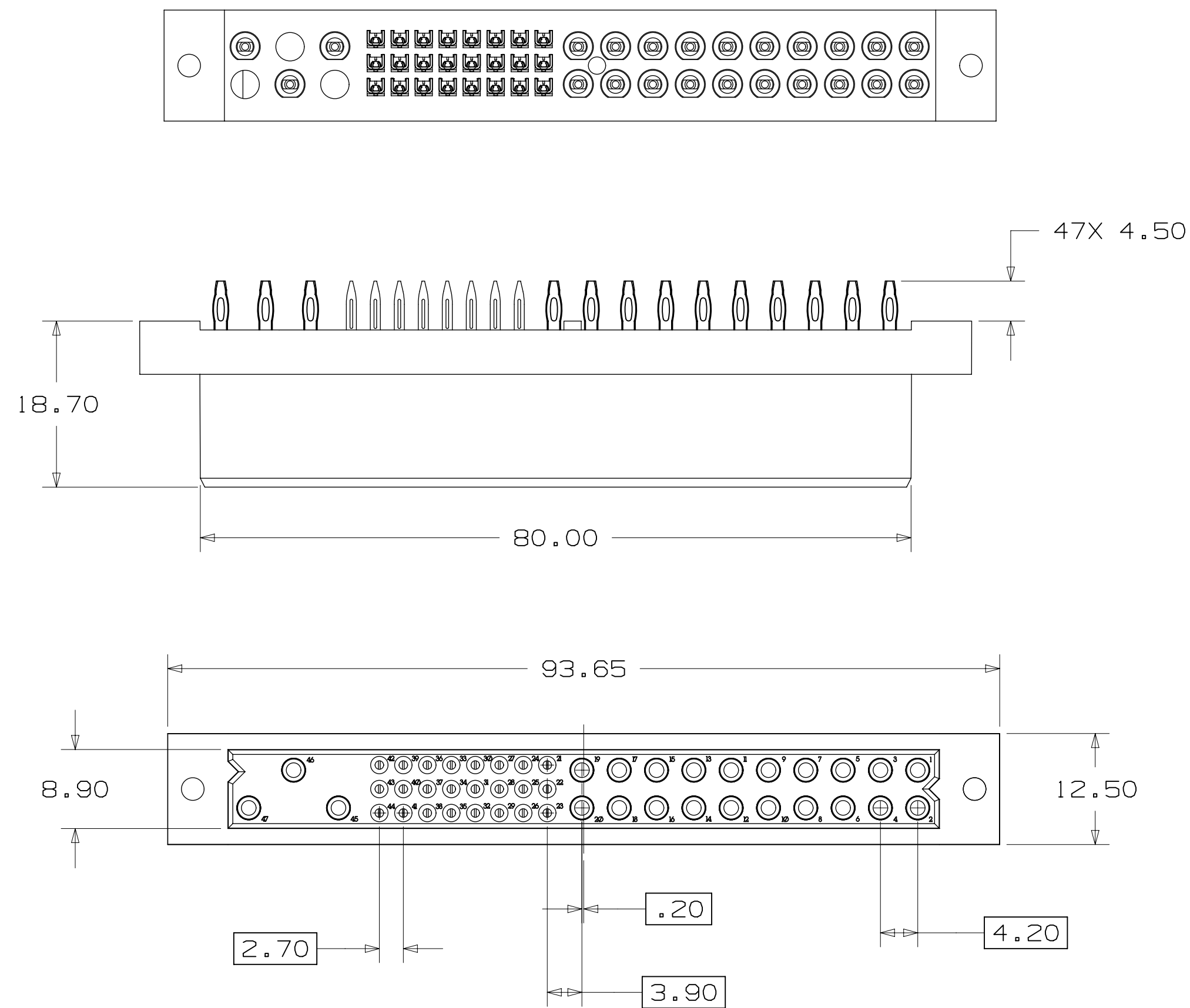


3M™ POWER BACKPLANE FEMALE CONNECTOR FOR CPCI APPLICATIONS, 47 POSITION



ELECTRICAL CHARACTERISTICS:

ELECTRICAL FEATURES:
 INSULATION RESISTANCE - 10 OHMS

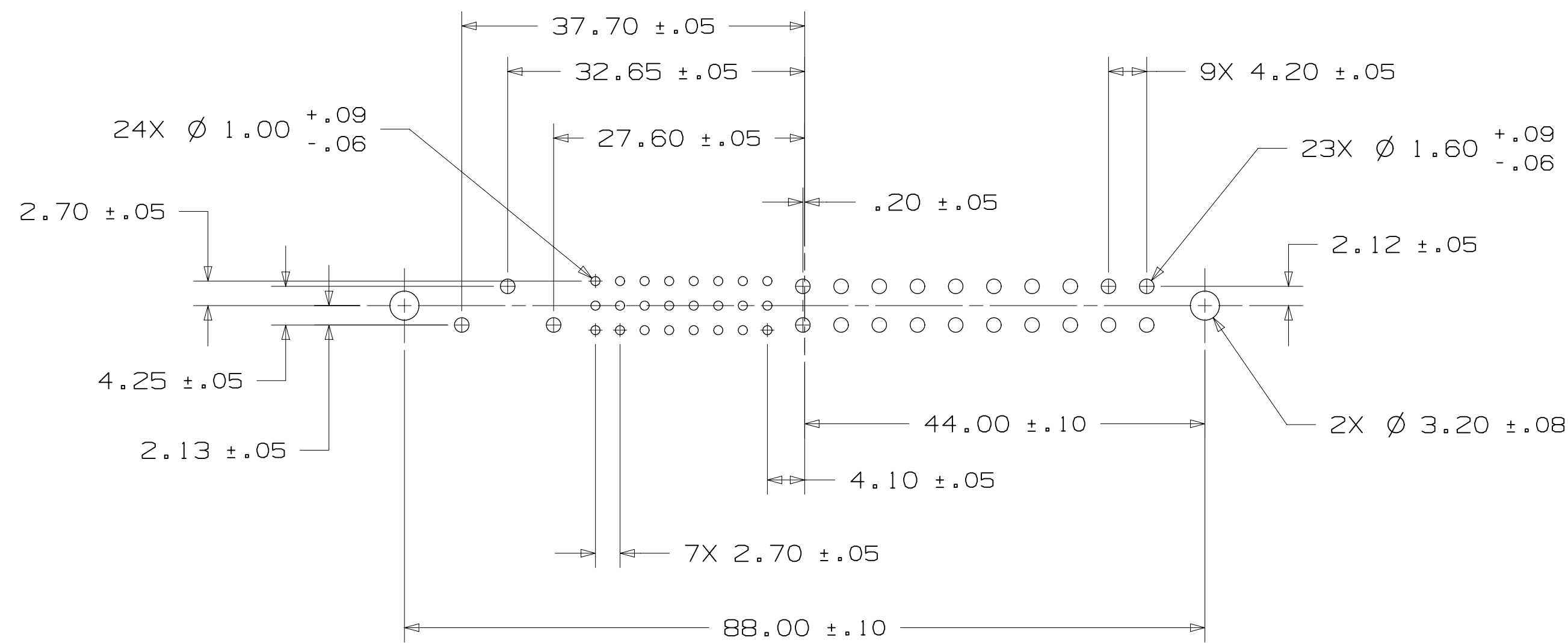
INITIAL CONTACT RESISTANCE:
 POWER CONTACT ----- 0.7 MILLIOHMS MAX
 SIGNAL CONTACT ----- 4.0 MILLIOHMS MAX

VOLTAGE PROOF:
 POWER 1 THRU 20 ----- 1500 VRMS
 POWER 45,46,47 ----- 3000 VRMS
 POWER 21 THRU 44 ----- 1000 VRMS

CURRENT RATING:
 DC OUTPUT POWER 1 THRU 20 -- 16 AMPS
 INPUT POWER 45,46,47 ----- 23 AMPS
 SIZE 22 SIGNAL CONTACTS ---- 2 AMPS
 MINIMUM CREEPAGE DISTANCE [MM]
 POWER 47 TO 45 ----- 3.2
 POWER 46 TO 45 ----- 3.2
 POWER 47 TO SIGNAL ---- 6.4
 POWER 46 TO SIGNAL ---- 6.4
 POWER 47 TO 46 ----- 2.5
 POWER 45 TO SIGNAL ---- 2.0

ENVIRONMENTAL:
 TEMPERATURE RATING: -55 TO +125C

- NOTES
- MATERIAL:
 HOUSING: GLASS FILLED POYESTER (PBT)
 CONTACT: COPPER ALLOY, GOLD PLATING
 - 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
 - REGULATORY INFORMATION:
 VISIT 3M.com/regs OR CONTACT YOUR 3M REPRESENTATIVE TO FIND THE RoHS COMPLIANCE STATUS OF THE 3M PART YOU ARE INTERESTED IN.
 - IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
 - FOR MATING PRODUCT USE:
 3P01-200X-XX CPCI POWER RIGHT ANGLE MALE CONNECTOR 47 POS.



RECOMMENDED HOLE PATTERN
 (COMPONENT SIDE OF BOARD SHOWN)
 PCB THICKNESS: 3.20 MINIMUM

PART NUMBER	
PART DESCRIPTION	TAIL TYPE
3P02-2001-XX	PRESS-FIT
3P02-2002-XX	SOLDER TAIL

DIMENSIONS: MM

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
				AUG 25, 2016 WARRANTY INFO	JNC	TS
				DEC 04, 2014 REDRAWN IN NX & ADD MIN PCB THICKNESS		
APPROVED	DATE	APPROVED	DATE	DATE		
CHKD	DATE	APPRV	DATE	DATE		
		T. SUNIGA	DEC 04, 2014			
DIVISION	DIVISION CODE	© 3M COPYRIGHT 2017				
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DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	3M Center St. Paul, MN 55144			
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		.00 ±	3P02-200X-XX CPCI POWER BACKPLANE, FEMALE CONNECTOR			
		.000 ±	CAGE NUMBER			
		.0000 ±	D 78-5100-2370-4			
THIRD ANGLE PROJECTION	MILLIMETERS	0 ±	REV.			
	0 ±	.3	C			
INTERPRET PER ASME Y14.5 - 2009	MILLIMETERS	.00 ±	DRAWING NO.			
	0 ±	.20	78-5100-2370-4			
MAX SURFACE ROUGHNESS	0 ±	.100	MODEL			
DTX SURFACES	.000 ±	.100	cPCI			
MARKED ONLY	ANGLES		DET			
			Istis YES X NO SHT 1 OF 2			

3M™ ELECTRONICS MATERIALS SOLUTIONS DIVISION
 INTERCONNECT SOLUTIONS
<http://www.3mconnectors.com>

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3M™ POWER BACKPLANE FEMALE CONNECTOR FOR CPCI APPLICATIONS, 47 POSITION

Regulatory: For regulatory information about this product, visit 3M.com/regs or contact your 3M representative.

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

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 6801 River Place Blvd.
 Austin, TX 78726-9000
 1-800-225-5373
www.3M.com/interconnect

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