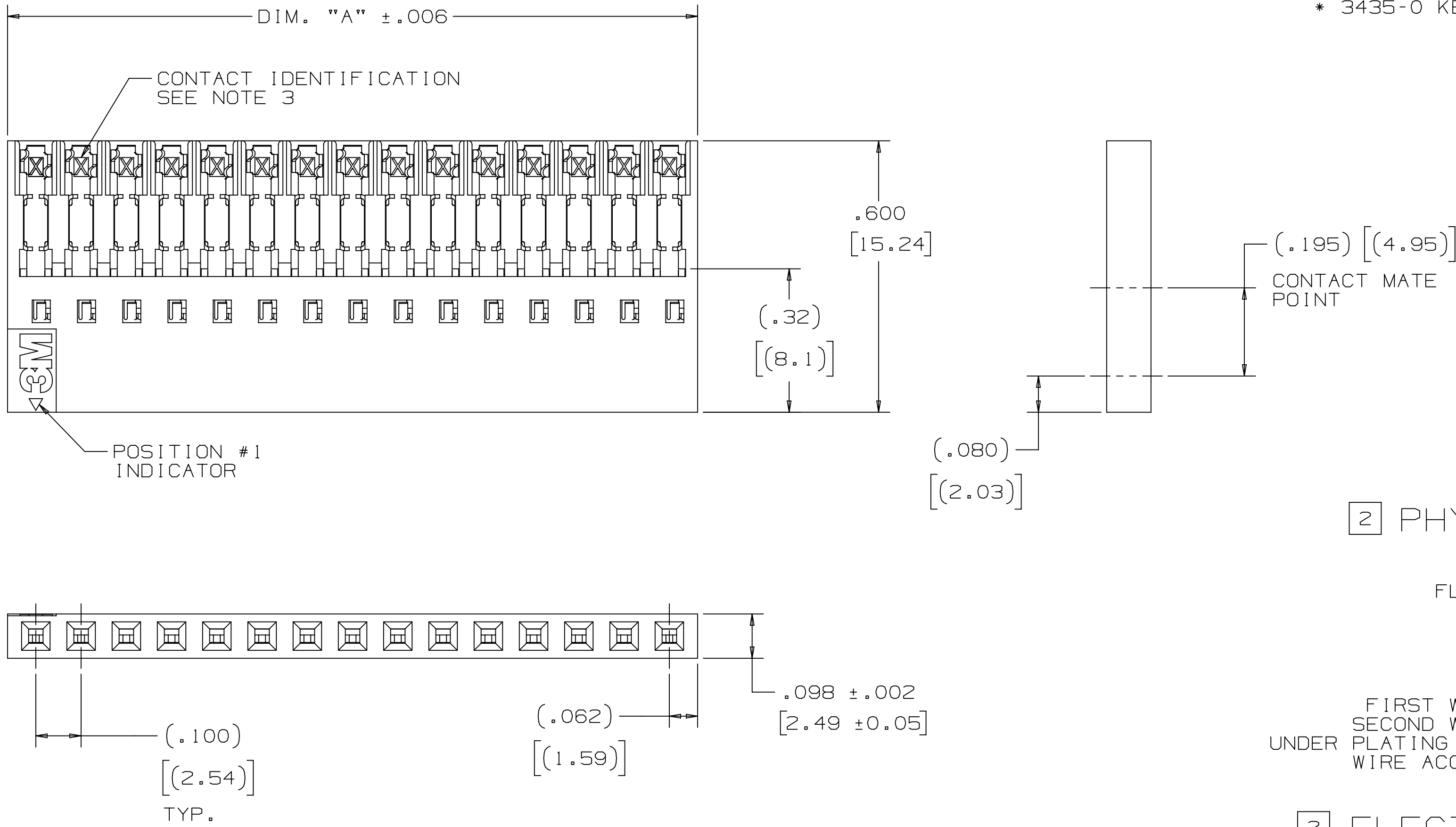


3M™ WIREMOUNT SOCKET, CHG SERIES
.100" FOR .100" PITCH NOTCHED FLAT CABLE OR DISCRETE WIRE

TABLE 1	
CONTACT QTY.	DIM. "A"
02	.225 [5.72]
03	.325 [8.26]
04	.425 [10.80]
05	.525 [13.34]
06	.625 [15.88]
07	.725 [18.42]
08	.825 [20.96]
09	.925 [23.50]
10	1.025 [26.04]
14	1.425 [36.20]
15	1.525 [38.74]
16	1.625 [41.28]
20	2.025 [51.44]
25	2.525 [64.14]
28	2.825 [71.76]
32	3.225 [81.92]
36	3.625 [92.08]



- * ONE ROW, SIDE TO SIDE STACKABLE.
- * MATES TO 3M™ ONE ROW PIN STRIP HEADERS.
- * 17 STANDARD SIZES, 2-36 POSITIONS.
- * TWIN SLOT IDC PROVIDES FOUR POINTS OF CONTACT.
- * EXCLUSIVE L/H 4-WIPE CONTACT.
- * 3435-0 KEYING PLUG IS OPTIONAL - ORDER SEPARATELY.

1. REGULATORY INFORMATION:
VISIT 3M.com/regs
2. UNLESS OTHERWISE NOTED, REFERENCES TO INDUSTRY SPECIFICATIONS ARE INTENDED TO INDICATE SUBSTANTIAL COMPLIANCE TO THE MATERIAL ELEMENTS OF THE SPECIFICATION. SUCH REFERENCES SHOULD NOT BE CONSTRUED AS A GUARANTEE OF COMPLIANCE TO ALL REQUIREMENTS IN A GIVEN SPECIFICATION.
3. CONTACT IDENTIFICATION:
"6" = 26 AND 28 AWG.
"2" = 22 AND 24 AWG.
4. INSULATION O.D.: .054 [1.37] MAX.
5. RECOMMENDED TO BE MATED TO A .100" PIN STRIP HEADER WITH EITHER A .235 [5.97] OR A .318 [8.08] MATING PIN LENGTH: 929 SERIES, 2400 SERIES AND 2300 SERIES.
6. OTHER SIZES, POLARIZATION AND PLATING OPTIONS ARE AVAILABLE AS A SPECIAL ORDER. HIGHER MINIMUM QUANTITIES AND LEAD TIMES WILL APPLY.

2 PHYSICAL :

INSULATION: GLASS FILLED POLYESTER (PBT)
MATERIAL: UL94V-0
FLAMMABILITY: COLOR: GRAY OR BLACK
CONTACT: MATERIAL: COPPER ALLOY
PLATING: OPTION P:
FIRST WIPING AREA: 30μ" [0.76μm] GOLD
SECOND WIPING AREA: 100μ" [2.54μm] NICKEL
UNDER PLATING AND U-SLOT: 100μ" [2.54μm] NICKEL
WIRE ACCOMMODATION: SEE ORDERING INFORMATION
MARKINGS: 3M LOGO AND ORIENTATION TRIANGLE

2 ELECTRICAL :

CURRENT RATING:

	1 LINE	4 ADJACENT LINES	ALL LINES
22 AWG	4.50	3.00	1.50
24 AWG	3.75	2.50	1.25
26 AWG	3.50	2.00	1.00
28 AWG	3.50	2.00	1.00

RATING CONDITIONS: EIA-364-070 METHOD 2, 30°C MAXIMUM TEMPERATURE RISE, 20% DERATED. REFERENCE APPROPRIATE 3M PRODUCT SPECIFICATION FOR CURRENT DERATING CURVES.

INSULATION RESISTANCE: >1 X 10⁹Ω AT 500 V_{DC}
WITHSTANDING VOLTAGE: 500V_{RMS} AT SEA LEVEL

2 ENVIRONMENTAL :

TEMPERATURE RATING: -55°C TO +105°

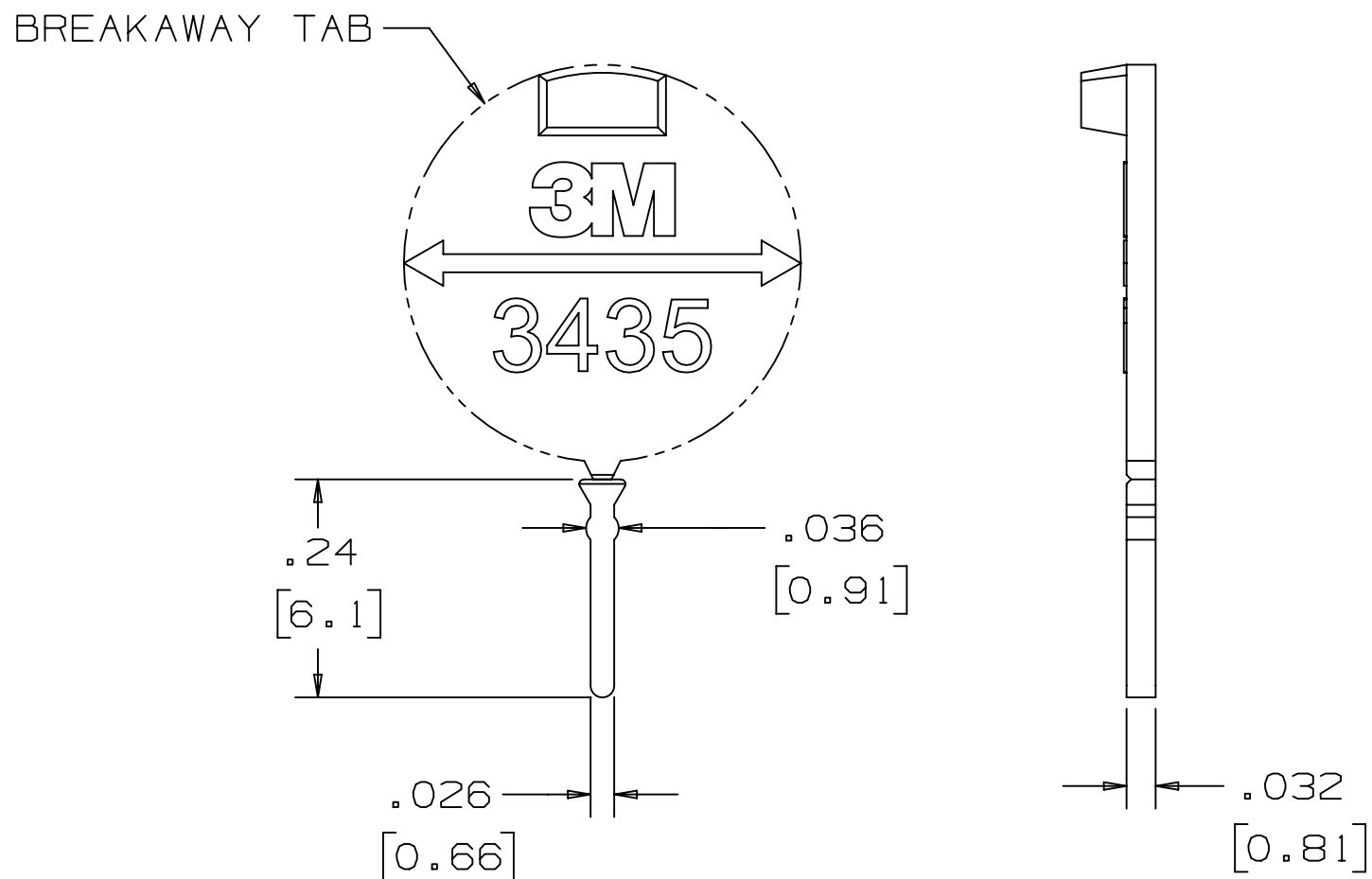
ORDERING INFORMATION
CHG-10XX-001010-KXX

CONTACT QUANTITY:
(SEE TABLE 1)

PLATING OPTIONS:
P = WIPER AREA: GOLD
* CONTACT IS PLATED
INITIALLY WITH 100μ" [2.54μm]
NICKEL UNDERPLATE

WIRE SIZE OPTIONS:
C = 26 AND 28 AWG SOLID AND STRANDED
E = 22 AWG STRANDED AND 24 AWG SOLID OR STRANDED

- NOTES:
1. APPLICATION TOOLS: FOR DISCRETE WIRE 3586-12 PISTOL GRIP AND 3624-41 ASSEMBLY.
 2. FOR NOTCHED FLAT CABLE: 3335 PRESS (OR EQUIVALENT), 3739-CHGA LOCATOR PLATE.



ORDER SEPARATELY
OPTIONAL KEYING PLUG
3435-0

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UL **us**
UL FILE NO: E68080

DIMENSIONS: INCHES [MM]
[MM] IS REF. ONLY

DESIGN REFERENCE		NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT		CHKD	
XREF		XREF		DATE		DATE		DATE		DATE		DATE	
DIVISION		DIVISION CODE		DATE		DATE		DATE		DATE		DATE	
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED		TOLERANCES EXCEPT AS NOTED		TOLERANCES EXCEPT AS NOTED		TOLERANCES EXCEPT AS NOTED		TOLERANCES EXCEPT AS NOTED	
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 2018		MILLIMETERS		MILLIMETERS		MILLIMETERS		MILLIMETERS		MILLIMETERS	
MAX. SURFACE ROUGHNESS		MAX. SURFACE ROUGHNESS		MAX. SURFACE ROUGHNESS		MAX. SURFACE ROUGHNESS		MAX. SURFACE ROUGHNESS		MAX. SURFACE ROUGHNESS		MAX. SURFACE ROUGHNESS	
MARKED ONLY		MARKED ONLY		MARKED ONLY		MARKED ONLY		MARKED ONLY		MARKED ONLY		MARKED ONLY	
CAGE NUMBER		SIZE		DRAWING NO.		REV.		REV.		REV.		REV.	
MODEL		CHG		D		D		D		D		D	
LISTS		YES		NO		SHT 1 OF 2		SHT 1 OF 2		SHT 1 OF 2		SHT 1 OF 2	

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3M™ WIREMOUNT SOCKET, CHG SERIES
.100" FOR .100" PITCH NOTCHED FLAT CABLE OR DISCRETE WIRE

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

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D		101677		JAN 14,2022		JNC	FJR
REV		ECO	REVISED AND REDRAWN			DRFT	CHKD
DESIGN REFERENCE		NEXT ASSEMBLY		ISSUE DATE AND DESCRIPTION		DATE	
XREF CODES		DRFT		DATE		MFG	
		CASTIGLIONE		JAN 14,2022		JAN 14,2022	
		CHKD		DATE		APPRV	
						F. RODRIGUEZ	
DIVISION		DIVISION CODE		© 3M COPYRIGHT 2022			
		EMSD		3M Center St. Paul, MN 55144			
DO NOT SCALE DRAWING		SCALE		TOLERANCES EXCEPT AS NOTED			
				INCHES ±.1 ±.01 ±.005 ±.0002			
THIRD ANGLE PROJECTION				MILLIMETERS ± ± ± ±			
INTERPRET PER ASME Y14.5 - 2018				CAGE NUMBER			
MAX SURFACE ROUGHNESS		ALL SURFACES		SIZE			
MARKED ONLY		ANGLES		DRAWING NO.			
				D78-5100-0189-0			
				REV.			
				D			
				MODEL			
				CHG			
				DET			
				LISTS			
				YES			
				NO			
				SHT 2 OF 2			

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