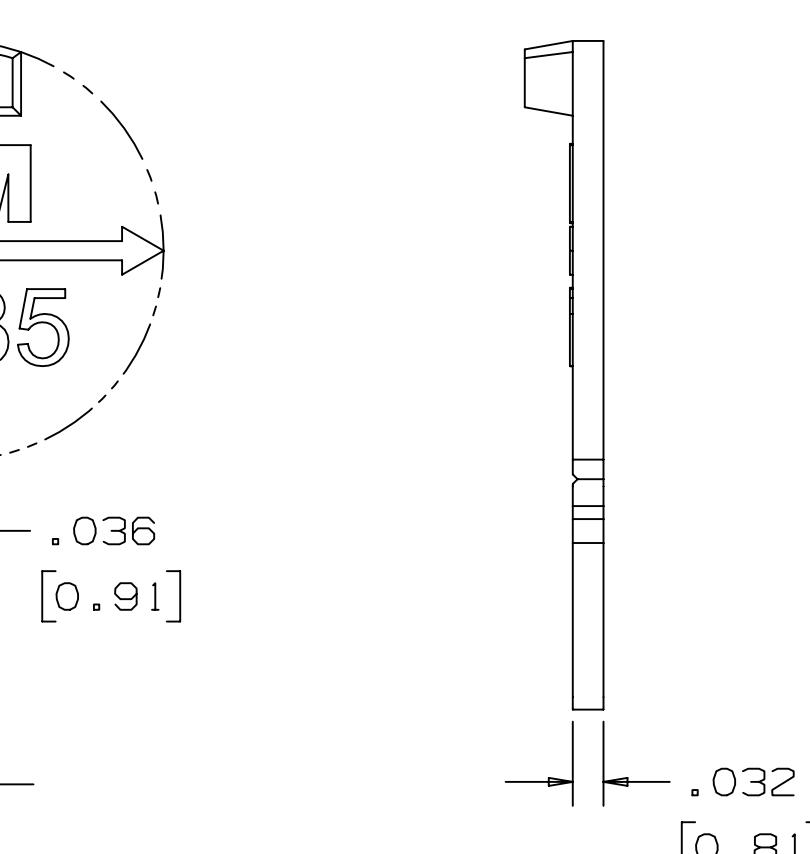
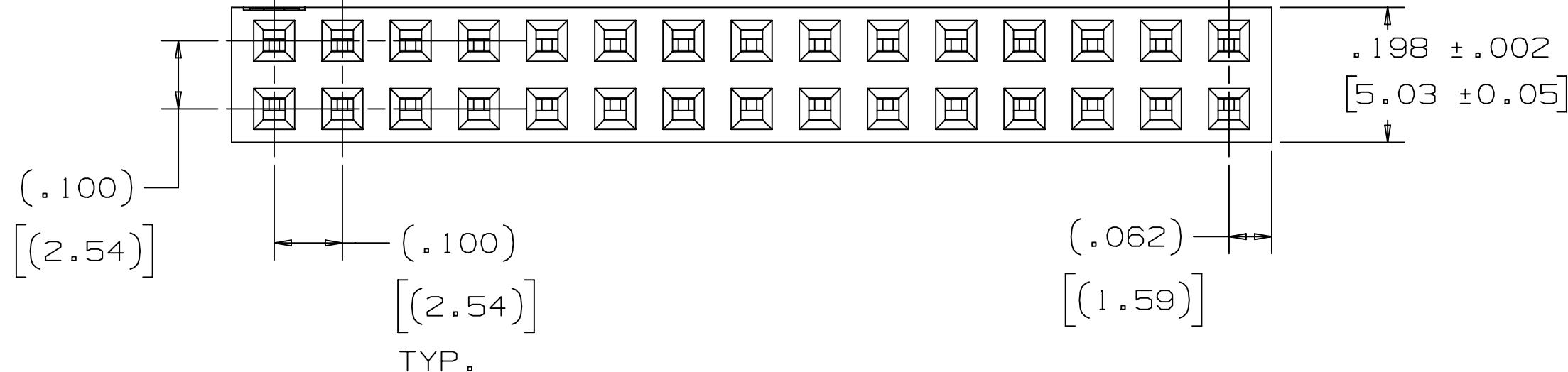


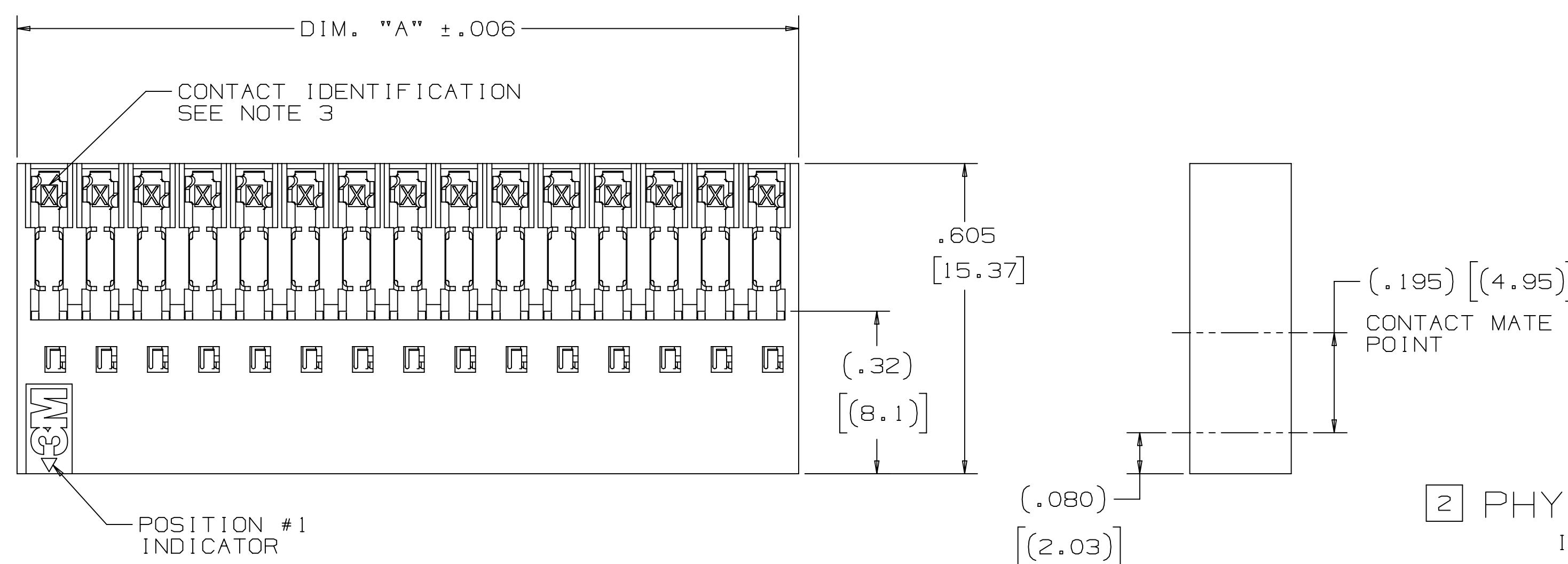
## 3M™ WIREMOUNT SOCKET, CHG SERIES

.100" X .100" TWO ROW FOR .100" PITCH NOTCHED FLAT CABLE OR DISCRETE WIRE

TABLE 1	
CONTACT QTY.	DIM. "A"
06	.325 [8.26]
08	.425 [10.80]
10	.525 [13.34]
14	.725 [18.42]
16	.825 [20.96]
20	1.025 [26.04]
26	1.325 [33.66]
30	1.525 [38.74]
34	1.725 [43.82]
40	2.025 [51.44]
46	2.325 [59.06]
50	2.525 [64.14]
60	3.025 [76.84]
72	3.625 [92.08]

ORDER SEPARATELY  
OPTIONAL KEYING PLUG  
3435-03M ELECTRONICS MATERIALS SOLUTIONS DIVISION  
INTERCONNECT SOLUTIONS  
http://www.3M.com/interconnect3M IS A TRADEMARK OF 3M COMPANY.  
FOR TECHNICAL, SALES OR ORDERING  
INFORMATION CALL 800-225-5373

- \* TWO ROW, SIDE-TO-SIDE STACKABLE.
- \* MATES TO 3M™ TWO ROW PIN STRIP HEADERS.
- \* 14 STANDARD SIZES, 6-72 POSITIONS.
- \* TWIN SLOT IDC PROVIDES FOUR POINTS OF CONTACT.
- \* EXCLUSIVE L/H 4-WIPE CONTACT.
- \* 3435-0 KEYING PLUG IS OPTIONAL - ORDER SEPARATELY.

ORDERING INFORMATION  
CHG-20XX-001010-KXXCONTACT QUANTITY:  
(SEE TABLE 1)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.

PLATING OPTIONS:  
P = WIPER AREA: GOLD  
\* CONTACT IS PLATED  
INITIALLY WITH 100μ" [2.54μm] NICKEL UNDERPLATEDIMENSIONS: INCHES [MM]  
[MM] IS REF. ONLY

DESIGN REFERENCE	NEXT ASSEMBLY
REV. ECO	ISSUE DATE AND DESCRIPTION
PROJ. CASTIGLIONE	DRFT
CHD	DATE
3M Center St. Paul, MN 55144	APPR. F. RODRIGUEZ
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TITLE: WIREMOUNT SOCKET, 2-ROW, .100" X .100" CHG SERIES	
CAGE NUMBER	DRAWING NO.
D	78-5100-0191-6
DET. LISTS	REV. C
NO	SHT 1 OF 2

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" X .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:  
MATERIAL: GLASS FILLED POLYESTER (PBT)  
FLAMMABILITY: UL94V-0  
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 10<sup>9</sup>Ω AT 500 V<sub>DC</sub>  
WITHSTANDING VOLTAGE: 500V<sub>RMS</sub> AT SEA LEVEL

## 2 ENVIRONMENTAL:

TEMPERATURE RATING: -55°C TO +105°

## 3M™ WIREMOUNT SOCKET, CHG SERIES

.100" X .100" TWO ROW 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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Electronics Materials Solutions Division  
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Austin, TX 78753-5380  
1-800-225-5373  
www.3M.com/interconnect

78-5100-0191-6 | Revision A

DESIGN REFERENCE		NEXT ASSEMBLY		C 101677 JAN 14, 2022		JNC FJR	
REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD	DATE	APPRV	DATE
ACCESS CODES		DIVISION CODE		REV D CASTIGLIONE JAN 14, 2022		MFG DATE	
DIVISION		EMSD		CHKD DATE F. RODRIGUEZ JAN 14, 2022		APPRV DATE	
DO NOT SCALE DRAWING		TOLERANCES EXCEPT AS NOTED		3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2022	
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INTERPRET PER ASME Y14.5 - 2018		.0 .00 .000 ± .000		.0 .00 .000 ± .000		.0 .00 .000 ± .000	
MAX SURFACE ROUGHNESS		MILLIMETERS		.0 .00 .000 ± .000		.0 .00 .000 ± .000	
DETAILED SURFACES		CAGE NUMBER		DRAWING NO.		REV. C	
MARKED ONLY		D 78-5100-0191-6		DET. LISTS		YES NO	
ANGLES ± 1°		MODEL CHG		SHT 2 OF 2			