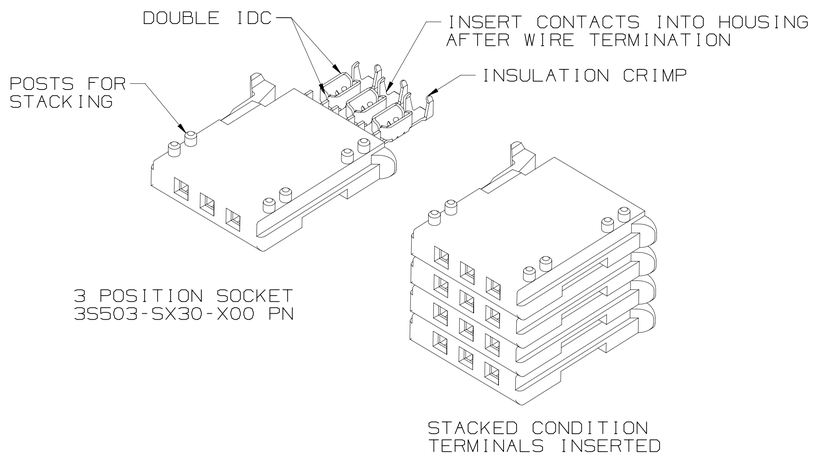
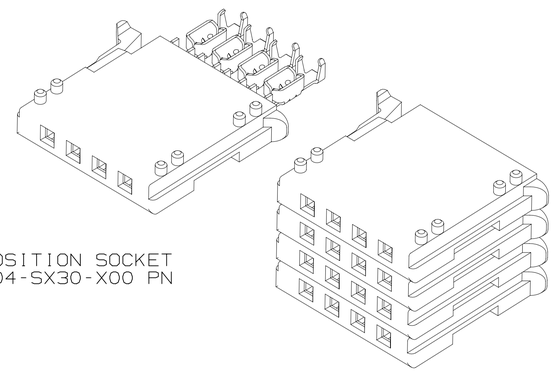
3M™ MINI STACK CONNECTOR, WIREMOUNT SOCKET



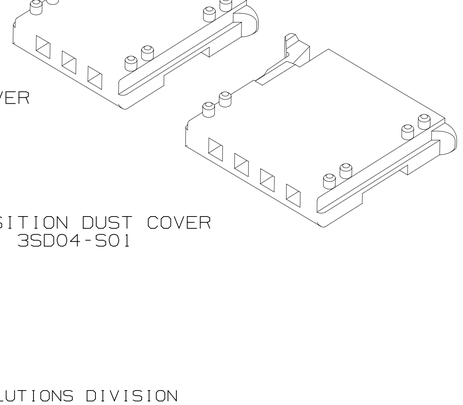
3 POSITION SOCKET
3S503-SX30-X00 PN

STACKED CONDITION
TERMINALS INSERTED



4 POSITION SOCKET
3S504-SX30-X00 PN

STACKED CONDITION
TERMINALS INSERTED



3 POSITION DUST COVER
3SD03-S01

4 POSITION DUST COVER
3SD04-S01

* COMPACT FORM - CONNECTORS MAY BE STACKED.
* INTEGRATED TERMINAL AND HOUSING.
* DOUBLE IDC WIRE TERMINATION.
* ACCOMODATES WIRE SIZES 22 - 30 AWG.
* 3 OR 4 POSITION CONNECTOR.
* DUST COVER FOR USE WHEN LESS THAN 4 SOCKETS ARE STACKED

NOTES

1. REGULATORY INFORMATION: VISIT 3M.com/regs
2. IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
3. REFERNECE PRODUCT SPECIFICATION PS-0362 FOR WIREMOUNT SOCKET.
4. REFERENCE PRODUCT SPECIFICATION PS-0364 FOR DUST COVER.
5. SEE TECH SHEET TS-2726 FOR MATING HEADERS.
6. SEE TECH SHEET TS-2728 FOR HAND TOOL.

[2] PHYSICAL:

INSULATOR:	
MATERIAL:	PBT RESIN
FLAMMABILITY:	UL94V-0
COLOR:	BLACK OR GRAY
CONTACT:	
MATERIAL:	COPPER ALLOY
PLATING:	
UNDER PLATING:	NICKEL OVERALL
WIPING AREA:	GOLD
IDC:	NICKEL
MARKINGS:	

[2] ELECTRICAL:

VOLTAGE:	AC/DC: 32V MAX.
CURRENT:	22-26AWG: 2.0A MAX. 27-28AWG: 1.5A MAX. 29-30AWG: 1.0A MAX.

[2] ENVIRONMENTAL:

TEMPERATURE: -20° C TO 85° C

WIRE ACCOMMODATION		
AWG NO.	NOMINAL CONDUCTOR CROSS-SECTIONAL AREA mm^2 (mil^2)	WIRE OD mm (mil)
24-22	0.2-0.3 (310-465)	0.6 to 1.5 (23.6 to 59.1)
30-25	0.05-0.19 (78-295)	

CONNECTOR ORDERING INFORMATION

3S50X-SX30-X00 PN

- TERMINAL QUANTITY:
  - 3 = 3 POSITIONS
  - 4 = 4 POSITIONS
- WIRE SIZE CODE:
  - 3 = 24-22 AWG (BLACK BODY REQ'D)
  - 5 = 30-25 AWG (GRAY BODY REQ'D)
- BODY COLOR:
  - B = BLACK (WIRE CODE 3)
  - G = GRAY (WIRE CODE 5)

DUST COVER (ORDER SEPARATELY)			
3M PART NUMBER	TERMINALS	MATERIAL	COLOR
3SD03-S01	3	PBT	GRAY
3SD04-S01	4		

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
A	95460	FEB 05,2021 INITIAL RELEASE	LDS	FJR

DESIGN REFERENCE | NEXT ASSEMBLY | ACCESS CODES | DIVISION | DIVISION CODE

DRFT: L SCHMIDT DATE: FEB 01,2021 MFG | DATE
CHKD | DATE | APPV: F RODRIGUEZ DATE: FEB 05,2021

DO NOT SCALE DRAWING | SCALE 1/1

TOLERANCES EXCEPT AS NOTED
INCHES .0 ± | .00 ± | .000 ± | .0000 ±
MILLIMETERS 0 ±2 | .0 ±.5 | .00 ±0.13 | .000 ±.005
ANGLES ±1°

THIRD ANGLE PROJECTION
INTERPRET PER ASME Y14.5 - 2018
MAX SURFACE ROUGHNESS 125 √ ☐ ALL SURFACES ☒ MARKED ONLY

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3M Center, St. Paul, MN 55144

TITLE: MINI STACK CONNECTOR WIREMOUNT SOCKET 3S50X-SX30-X00 PN

CAGE NUMBER | SIZE D | DRAWING NO. 78-5100-2725-9 | REV. A
MODEL | DET. LISTS ☐ YES ☒ NO | SHT 1 OF 3

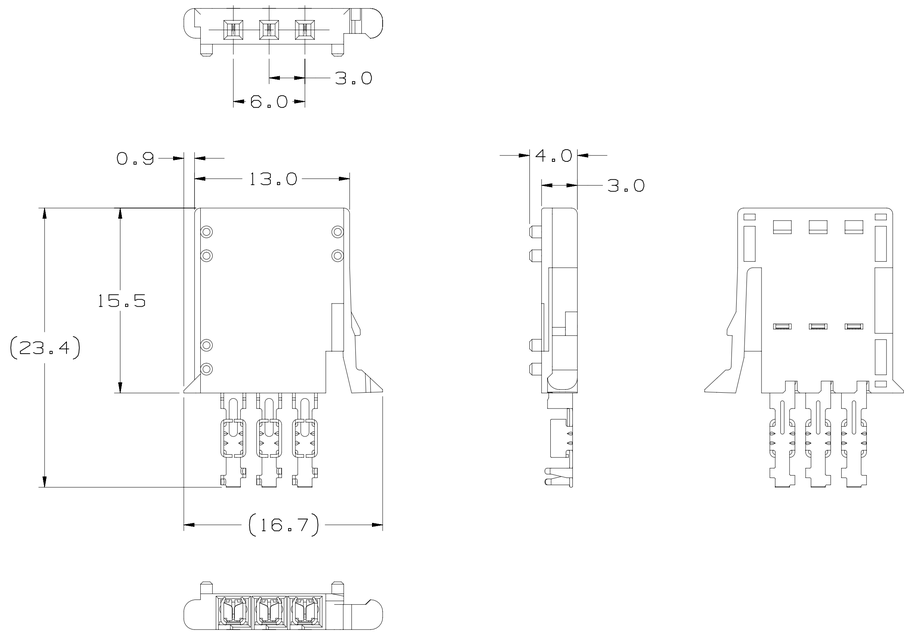
3M ELECTRONICS MATERIALS SOLUTIONS DIVISION
INTERCONNECT SOLUTIONS
http://www.3M.com/interconnect

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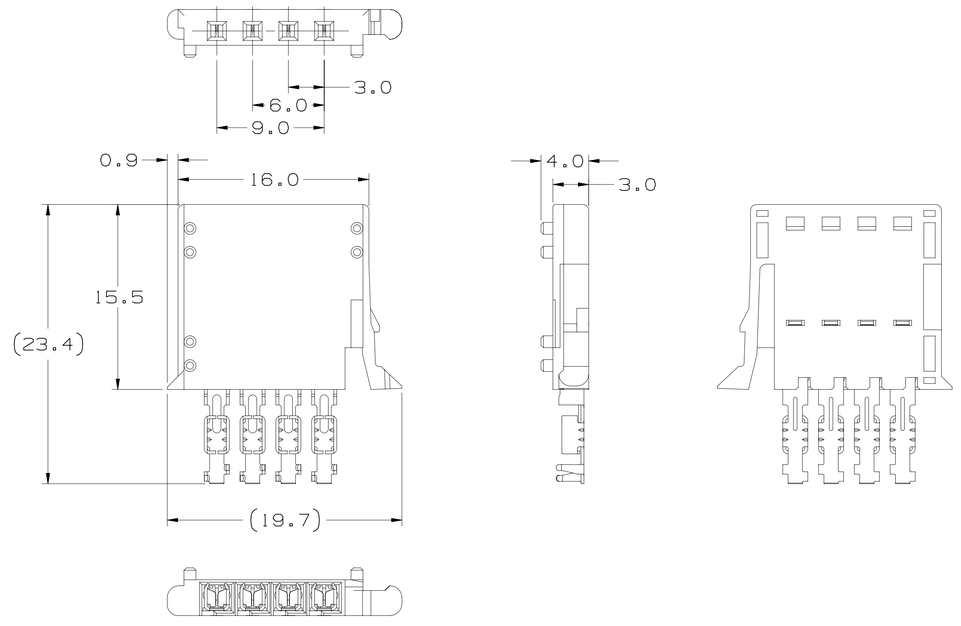
78-5100-2725-9 DRAWING NUMBER | A REVISION
Imaged: Central Standard Time 2/5/2021 -- UTC Offset (hrs) 6

3M™ MINI STACK CONNECTOR, WIREMOUNT SOCKET

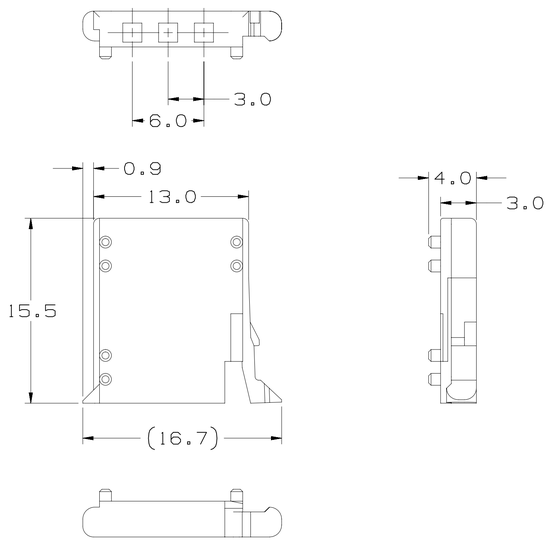
3 POSITION
3S503-SX30-X00 PN



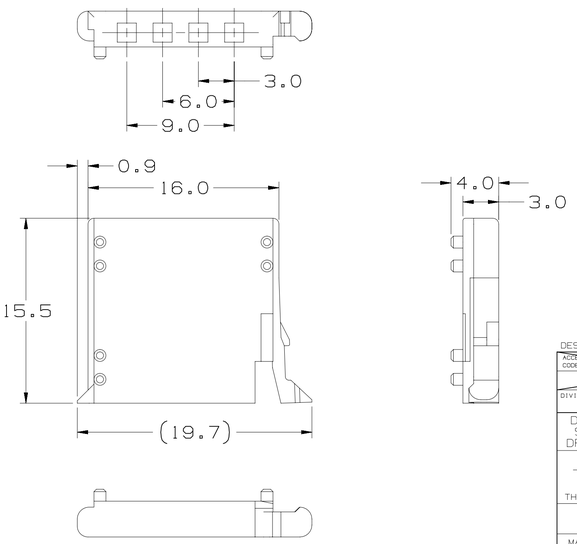
4 POSITION
3S504-SX30-X00 PN



3 POSITION DUST COVER
3SD03-S01



4 POSITION DUST COVER
3SD04-S01



REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
A	95460	FEB 05,2021 INITIAL RELEASE	LDS	FJR

DESIGN REFERENCE | NEXT ASSEMBLY | ACCESS CODES

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DO NOT SCALE DRAWING | SCALE 1/1

TOLERANCES EXCEPT AS NOTED
INCHES
.0 ±
.00 ±
.000 ±
.0000 ±
MILLIMETERS
0 ±2
.0 ±.5
.00 ±0.13
.000 ±.005
ANGLES ±1°

THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.5 - 2018

MAX SURFACE ROUGHNESS 125 ☐ ALL SURFACES ☒ MARKED ONLY

TITLE
MINI STACK CONNECTOR
WIREMOUNT SOCKET
3S50X-SX30-X00 PN

CAGE NUMBER | SIZE D | DRAWING NO. 78-5100-2725-9 | REV. A

MODEL

DET LISTS ☐ YES ☒ NO | SHT 2 OF 3

78-5100-2725-9 (DRAWING NUMBER) A (REVISION)

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3M™ MINI STACK CONNECTOR, WIREMOUNT SOCKET

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3M Company
Electronics Materials Solutions Division
13011 McCallen Pass, Bldg. C
Austin, TX 78753-5380
1-800-225-5373
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REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
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DO NOT SCALE DRAWING | SCALE 1/1 | THIRD ANGLE PROJECTION | INTERPRET PER ASME Y14.5 - 2018 | MAX SURFACE ROUGHNESS 125 ☐ ALL SURFACES ☒ MARKED ONLY

TOLERANCES EXCEPT AS NOTED
INCHES: .0 ± | .00 ± | .000 ± | .0000 ±
MILLIMETERS: 0 ±2 | .0 ±.5 | .00 ±0.13 | .000 ±.005
ANGLES ±1°

TITLE: MINI STACK CONNECTOR WIREMOUNT SOCKET 3S50X-SX30-X00 PN

CAGE NUMBER | SIZE D | DRAWING NO. 78-5100-2725-9 | REV. A
MODEL | DET. LISTS ☐ YES ☒ NO | SHT 3 OF 3

78-5100-2725-9 (DRAWING NUMBER) A (REVISION)

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