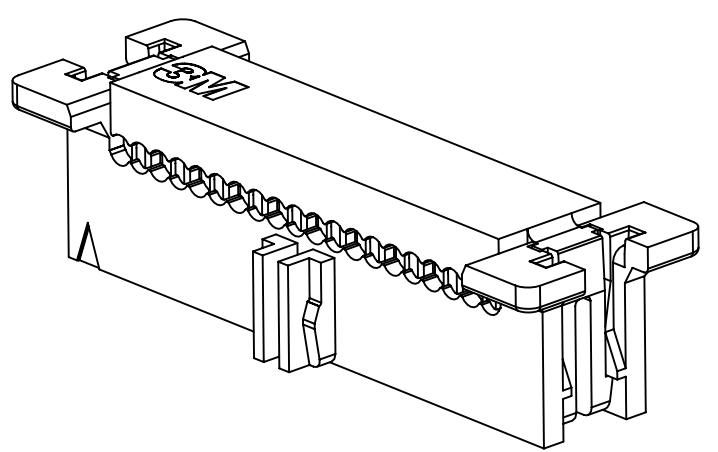
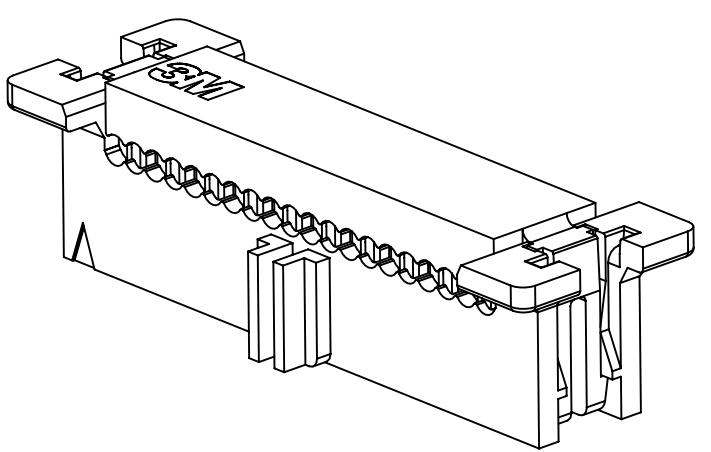


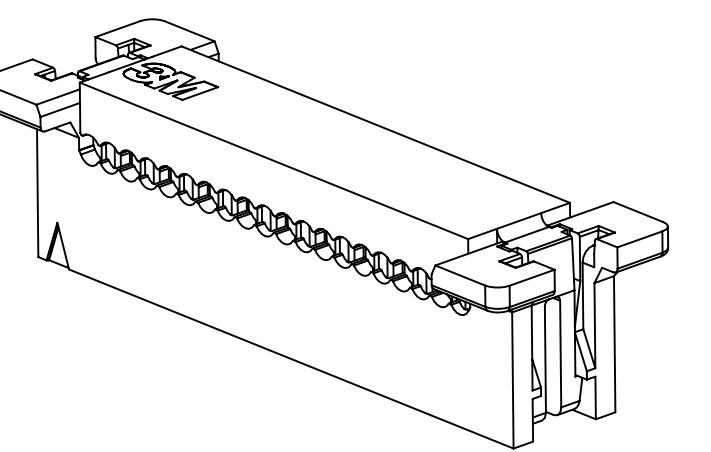
3M™ RIBBON CABLE WIREMOUNT SOCKET ASSEMBLY,
.05" X .05" (1.27mm X 1.27mm) PITCH, 451 SERIES



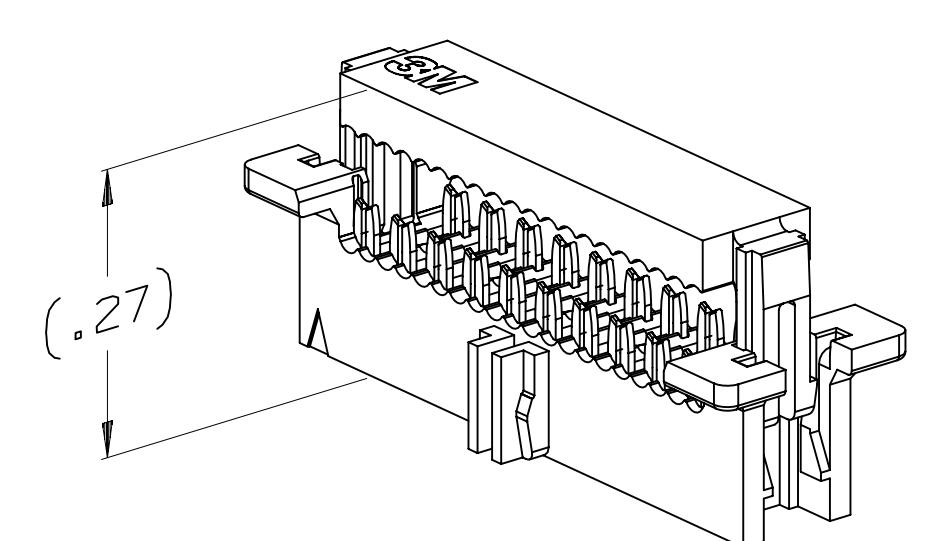
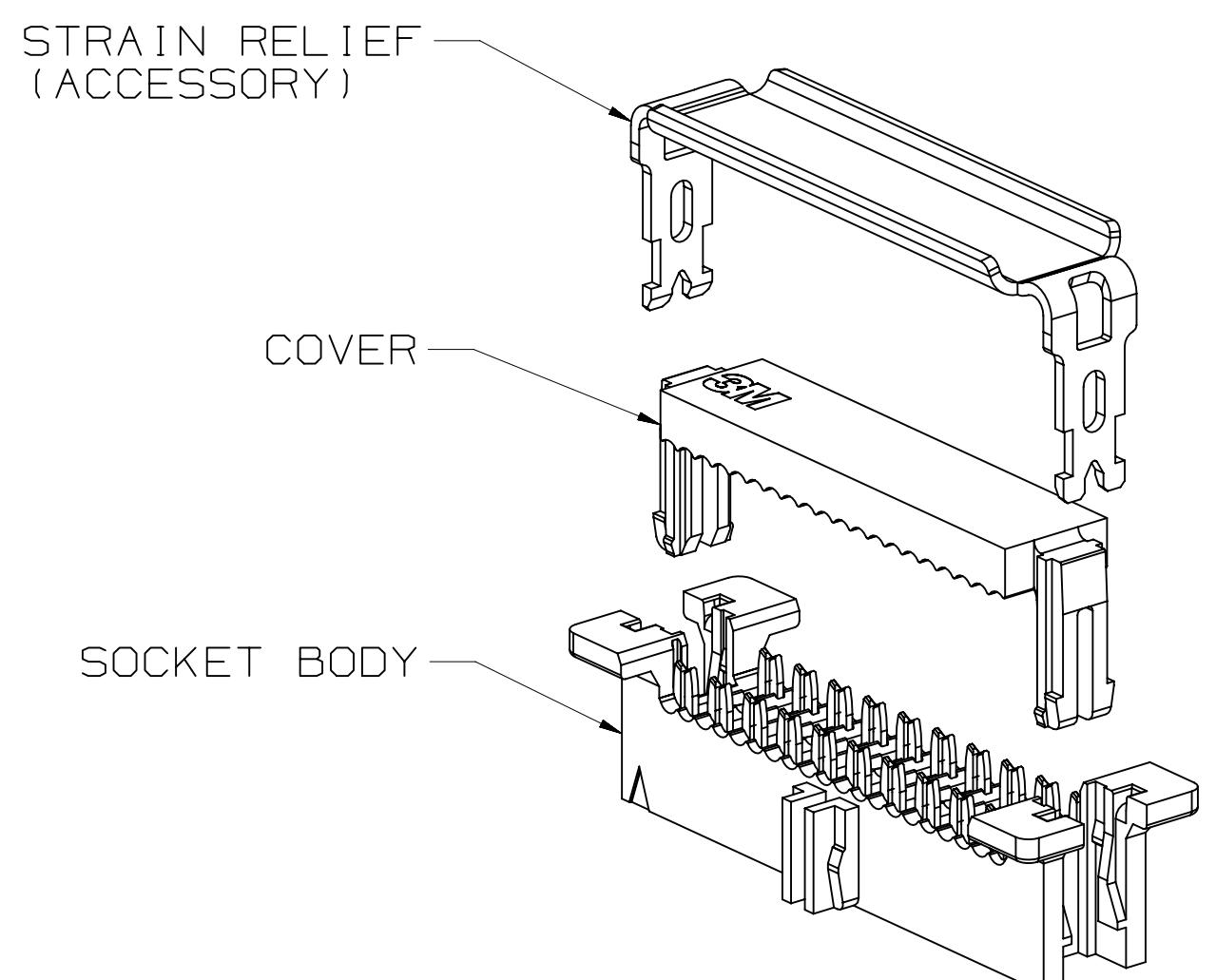
CENTER POLARIZATION
AND FRICTION LATCH



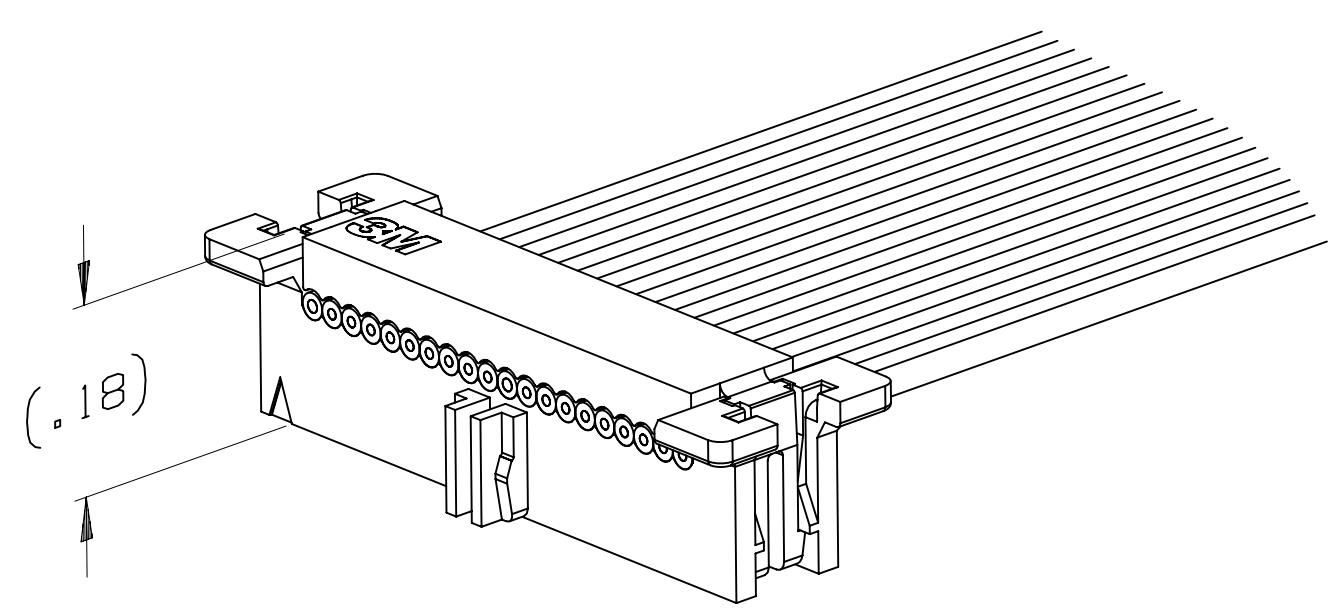
CENTER POLARIZATION
AND NO FRICTION LATCH



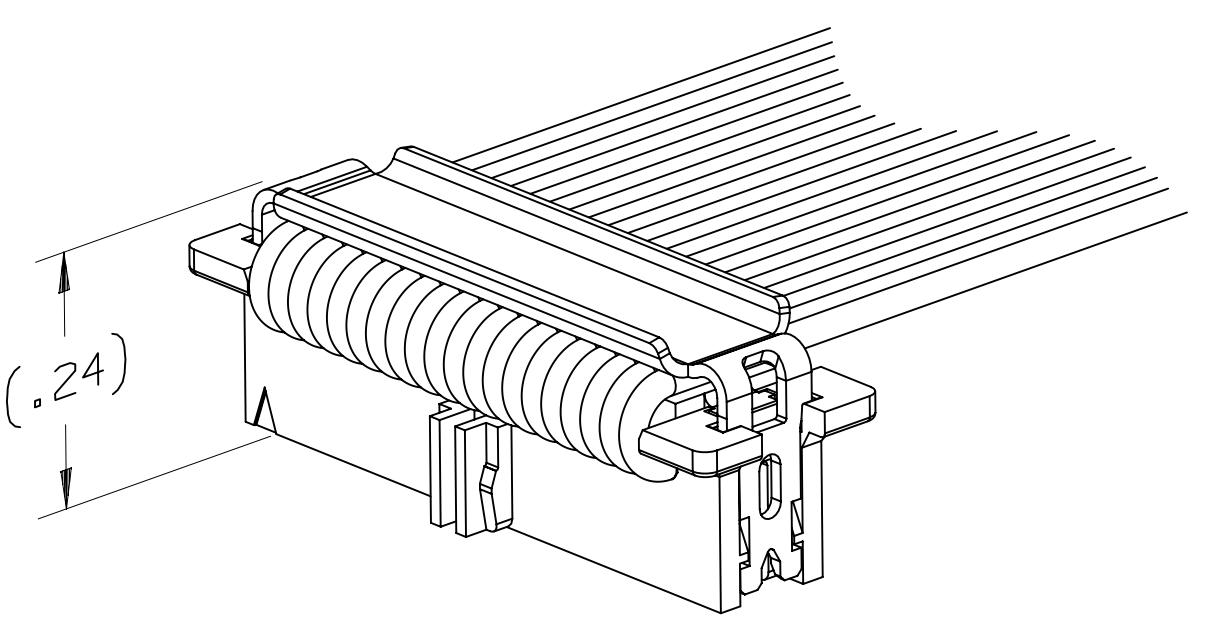
NO CENTER POLARIZATION
AND NO FRICTION LATCH



PRE-POSITIONED COVER



NO STRAIN RELIEF



WITH OPTIONAL
STRAIN RELIEF

TERMINATED
CONNECTOR

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

3M IS A TRADEMARK OF 3M COMPANY.
FOR TECHNICAL, SALES OR ORDERING
INFORMATION CALL 800-225-5373

Performance:	
Current Rating:	1.0 A, all lines energized, 30C temp rise per EIA 364-70
	1.5 A, 6 lines energized, 30C temp rise per EIA 364-70
Voltage Rating:	2.5 A, 1 line energized, 30C temp rise per EIA 364-70
Insulation Resistance:	125V
Withstanding Voltage:	> 1 x 10 ⁹ Ohms at 500 VDC
Operating Temperature:	1250VACrms at sea level -65°C to +105°C

ORDERING INFORMATION
FOR RAPID INSTALLATION ON
RIBBON CABLE APPLICATIONS

451 XX - 0 X 0 0 XX

SERIES

POSITION COUNT
04 - 30
SEE TABLE 1

PLATING
00 = Au FLASH
30 = 30μ" GOLD

OPTIONAL FEATURES
0 = NONE SPECIFIED

PACKAGING
0 = STANDARD (TRAYS)

CENTER POLARIZATION / FRICTION LATCH
0 = NO CENTER POLARIZATION (CP) (04-30 POS.)
1 = CP NO FRICTION LATCH (08 - 30 POS.)
2 = CP WITH FRICTION LATCH (08 - 30 POS.)

NOTE:
FRICTION LATCH (OPTION 2) IS NOT SUITABLE
FOR HEADER WITH LATCH EJECT OPTION

ACCESSORY: STRAIN RELIEF
3448-451XX

POSITION COUNT
04 - 30

APPLICATION TOOLING:
ALUMINUM: 3443-82-XX

POSITION COUNT
04 - 30

- MATERIAL:
BODY: PBT, UL94V-0
COVER: PBT, UL94V-0
STRAIN RELIEF: STAINLESS STEEL
CONTACTS: BeCu ALLOY.
- PLATING:
50-150μ" NICKEL UNDERPLATE
30 = 30μ" MIN. GOLD ON WIPING AREA
00 = FLASH GOLD ON WIPING AREA.
- RIBBON CABLE COMPATIBILITY:
GENERAL:
0.025" PITCH PVC, 30 AWG, SOLID OR 7 STRAND.
RECOMMENDED:
3M 3447 AND 3754 SERIES CABLE.
- MATING COMPATIBILITY:
3M .050" X .050" SERIES 452 HEADER WITH LATCH/EJECT OPTION.
- REGULATORY INFORMATION:
ROHS COMPLIANT. SEE THE REGULATORY INFORMATION APPENDIX (RIA) IN THE "ROHS COMPLIANCE" SECTION OF WWW.3MCONNECTORS.COM FOR COMPLIANCE INFORMATION (RIA E1 & C1 APPLY).
- IN THE EVENT OF CONFLICT BETWEEN THIS DATA AND THAT CONTAINED IN THE PRODUCT SPECIFICATION, THE PRODUCT SPECIFICATION TAKES PRECEDENT.
- REFERENCE RELATED DOCUMENTS:
PRODUCT SPECIFICATION:
3M DOC. ID# 78-5102-0091-4.
- TOOLING AND INSTALLATION INSTRUCTIONS:
3M DOC. ID# 78-9101-8937-8.
- OTHER PIN COUNTS AVAILABLE UPON REQUEST. CONTACT 3M.
- PACKAGING:
SOCKET: TRAY
COVER: BAG

C	50290	OCT 08, 2013	REVIS. NOTES 1, 3, 8 & OPERATING TEMP.	JNC	SN
B	48635	JUL 12, 2013	MATCH TEXT FONTS & ADD NOTE 10	JNC	SN
A	46797	MAR 25, 2013	PRODUCTION RELEASE	JNC	SAN

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
		FEB 11, 2011		
		APPROV. SAN		
		FEB 11, 2011		

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DESIGN REFERENCE: 3448-451XX

NEXT ASSEMBLY: 3443-82-XX

ACCESS CODES: 3448-451XX

ARM: 3443-82-XX

CHKD: 3443-82-XX

ISD: 3443-82-XX

DO NOT SCALE DRAWING: 6

SCALE: 1

TOLERANCES EXCEPT AS NOTED

INCHES: .0 ± .1
.000 ± .02
.000 ± .010
.0000 ± .005

MM: .0 ± .1
.000 ± .02
.000 ± .010
.0000 ± .005

THIRD ANGLE PROJECTION

INTERPRET PER: ASME Y14.5 - 1994

MAX SURFACE ROUGHNESS: 0.000 ± .000

CAGE NUMBER: D 78-5100-2436-3

SIZE: DRAWING NO. 78-5100-2436-3

MODEL: SHT 1 OF 2

78-5100-2436-3

Imaged: C-3 10/29/2013 10:42 AM UTC-05:00