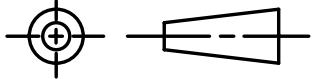
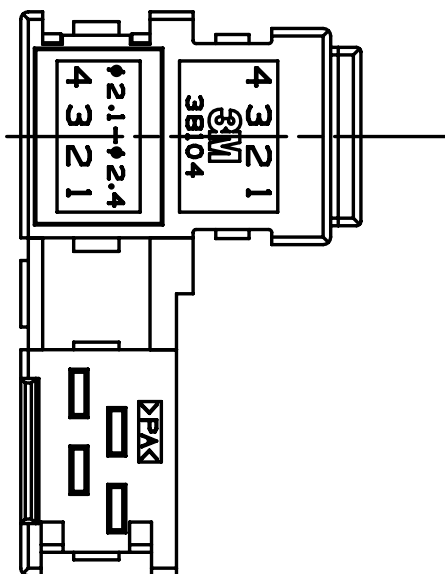
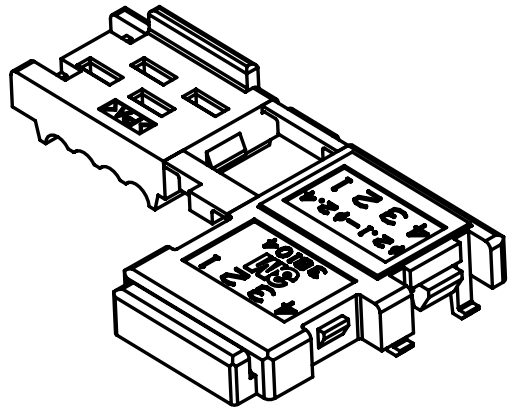
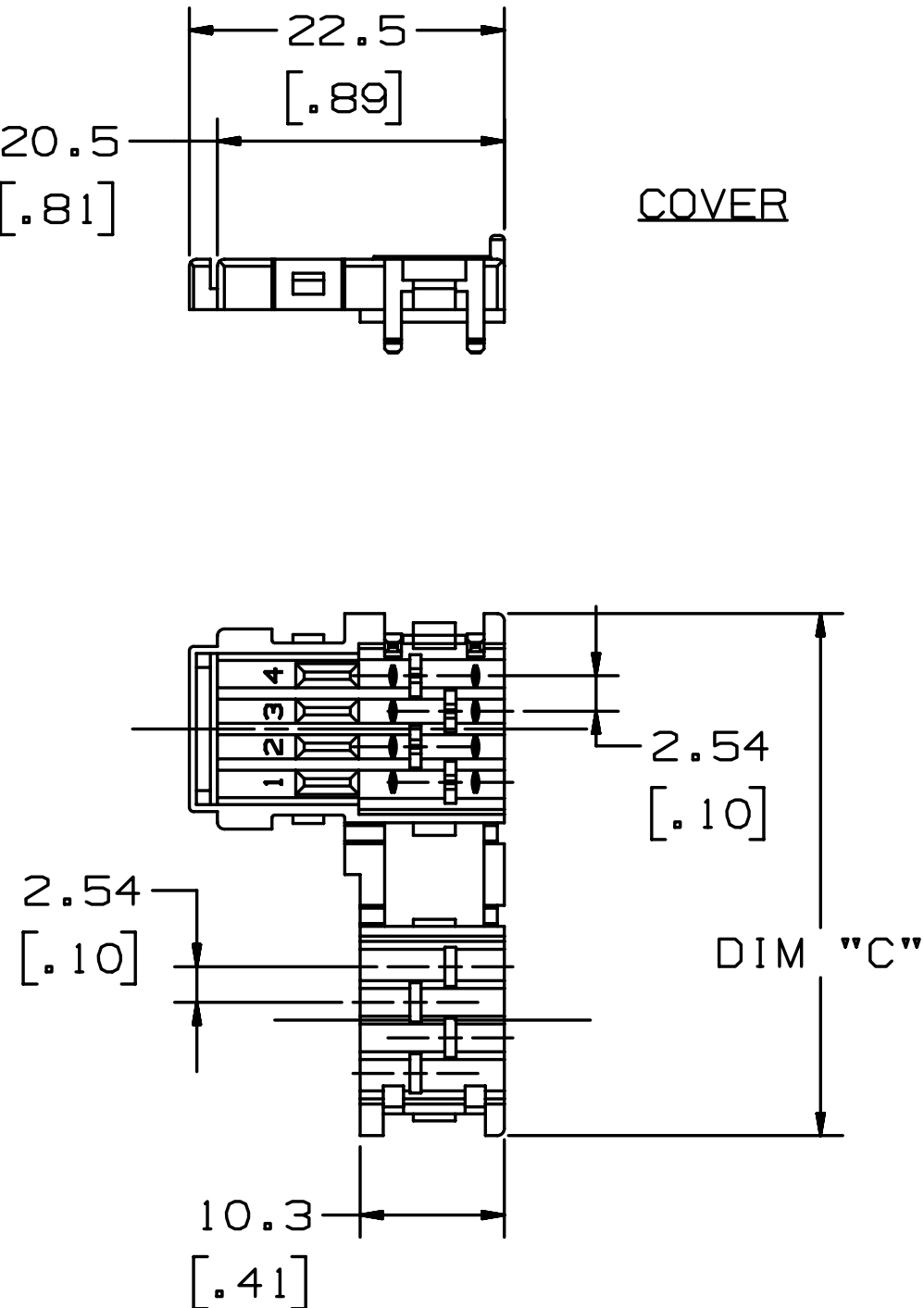
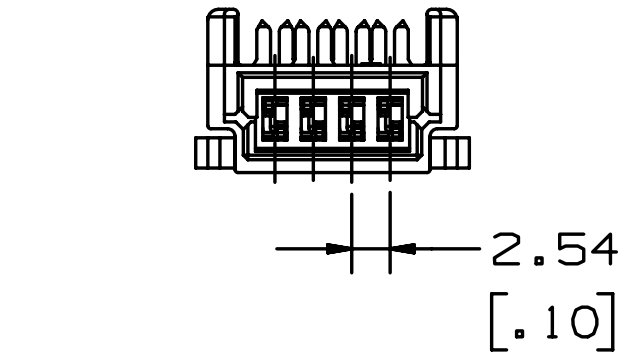
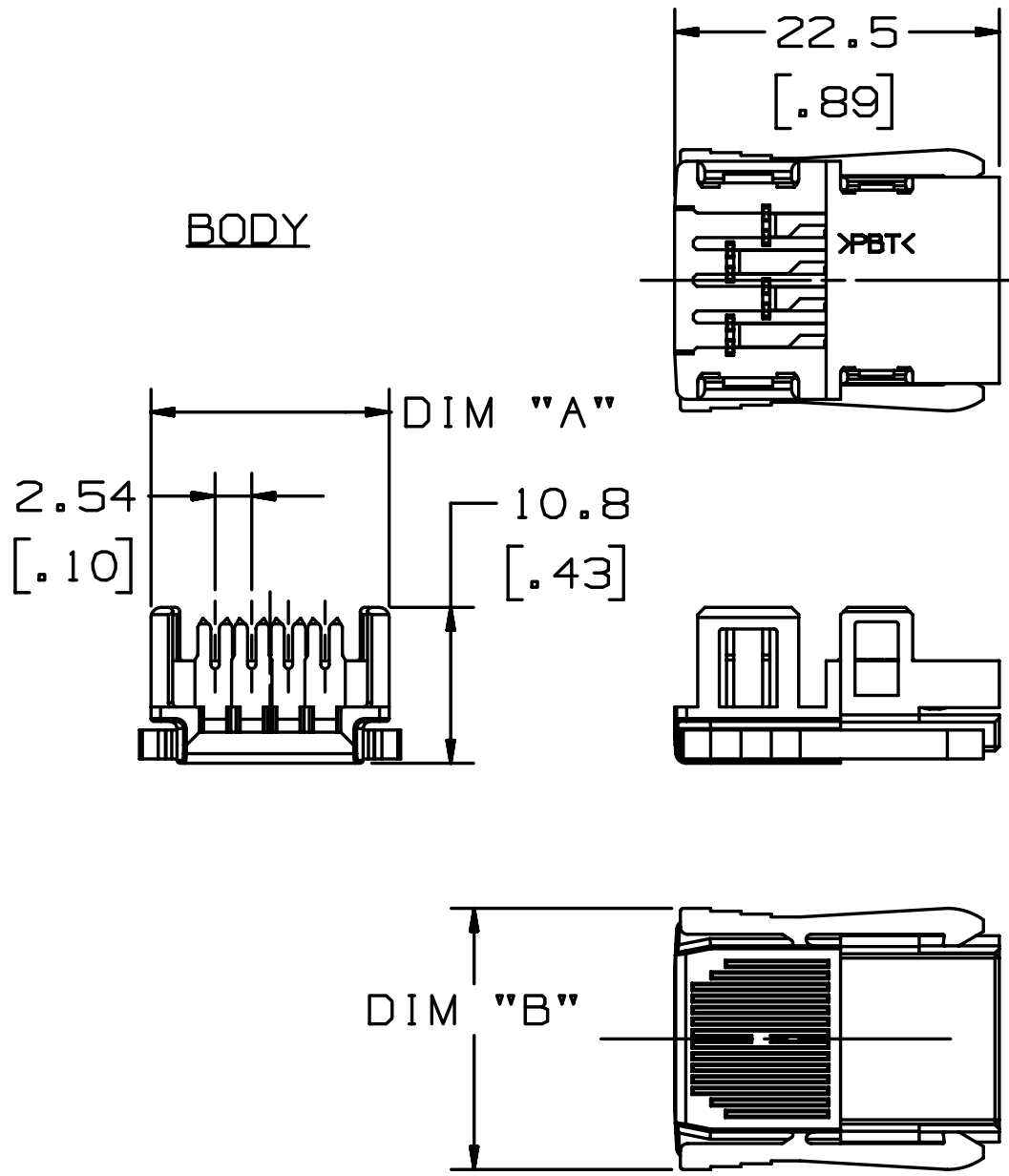


3M™ LINK CONNECTOR, 2.54mm[.100"], WIREMOUNT, HERMAPHRODITIC, 381 SERIES

- Notes:
- 1) Material:
Body: PBT, UL94V-0
Cover: Nylon
Contacts: Copper Alloy
 - 2) Plating:
1.27 μ " Nickel underplate
0.2 μ "min. Gold with Lubricant in wiping area
Nickel on IDC
 - 3) Wire Accommodation:
18 AWG [0.75mm²] Tinned, solid, 7 or 19 stranded, PVC
20 AWG [0.50mm²] Tinned, solid, 7 stranded, PVC
22 AWG [0.30mm²] Tinned, solid, 7 stranded, PVC
 - 4) Marking:
3M Logo, Part Number, Position Identification'
Insulator Material
 - 5) Mating Compatibility: 381 and 382 SERIES
 - 6) Regulatory:
UL File No.: E68080 (18 AWG only)
 - RoHS Compliant:
See the Regulatory Information Appendix (RIA) in the "RoHS Compliance" section of www.3MConnector.com for compliance information. (RIA E1 & C1 apply).
 - 7) Reference Related Documents:
Product Specification:
3M Doc. ID# 78-5102-0091-4
Tooling and Installation Instructions:
3M Doc. ID# 78-9101-5361-4

Performance:	
Current Rating:	5.0A
Voltage Rating:	160V
Insulation Resistance:	> 1 x 10 ⁸ Ohms at 500 VDC
Withstanding Voltage:	1000VACrms at sea level
Operating Temperature:	-20°C to +70°C
UL Temperature Rating:	+65°C

				E 36079		SEP 09,2011		MWL		SAN			
						CONVERT TO NEW ENG. FORMAT, ADD 2 POSITION PART							
DESIGN REFERENCE				NEXT ASSEMBLY		REV		ECO		ISSUE DATE AND DESCRIPTION		DRFT	CHKD
DISTRIBUTION CODES						DATE AUG 30,2011		MFG		DATE			
						DATE		APPVL		DATE			
DIVISION Interconnect Solutions				DIVISION CODE 1SD		 3M Center St. Paul, MN 55144		© 3M COPYRIGHT 2011 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.					
DO NOT SCALE DRAWING		SCALE 4 1		TOLERANCES EXCEPT AS NOTED									
				INCHES		TITLE 2.54mm[.100"] LINK WIREMOUNT, HERMAPHRODITIC 381							
THIRD ANGLE PROJECTION				.0 ± .00 ± .000 ± .0000 ±									
INTERPRET PER ASME Y14.5 - 1994				MILLIMETERS		CAGE NUMBER 78-5100-2098-1							
MAX SURFACE ROUGHNESS 125 125 125				.0 ±.3 .00 ±.13 .000 ±									
□ ALL SURFACES ✓ MARKED ONLY				ANGLES ±1°		MODEL		DET. LISTS		YES ☒ NO ☐		SHT 1 OF 2	



3M™ LINK CONNECTOR, 2.54mm[.100"], WIREMOUNT, HERMAPHRODITIC, 381 SERIES

PART ORDERING INFORMATION

3810X-X0XX-X0X FL (RIA E1 & C1 APPLY)

NUMBER OF POSITIONS:
2 = 2 POSITION
4 = 4 POSITION

COVER SHAPE:
3M
0 = 2.54mm FLAT CABLE
E = DISCRETE WIRE 2.1 - 2.4mm DIA
F = DISCRETE WIRE 1.8 - 2.1mm DIA
W = DISCRETE WIRE 1.4 - 1.7mm DIA
H = DISCRETE WIRE 1.1 - 1.4mm DIA

CC Link/LT
M = 2.54mm FLAT CABLE
A = DISCRETE WIRE 2.1 - 2.4mm DIA
B = DISCRETE WIRE 1.8 - 2.1mm DIA

MARKING
0 = 3M
M = CC-Link/LT

COLOR:
SEE TABLE 1 SHT 2

WIRE AWG:
18
20
22

AVAILABLE PRODUCTS										
PART NUMBERT	COVER SHAPE O.D./WIRE TYPE	WIRE SIZE AWG/mm²	DIM "A"	DIM "B"	DIM "C"	DIM "D"	MARKING/SHAPE	COLOR		
								BODY	COVER	CODE
38104-0018-000 FL	2.54 FLAT CABLE	18 / 0.75	16.5	18.1	37.3	6.2	3M	BLACK	BLACK	O
38104-E018-E00 FL	2.1 - 2.4 DISCRETE	18 / 0.75	16.5	18.1	37.3	6.2	3M	BLACK	ORANGE	E
38104-F018-F00 FL	1.8 - 2.1 DISCRETE	18 / 0.75	16.5	18.1	37.3	6.2	3M	BLACK	YELLOW	F
38104-0020-100 FL	2.54 FLAT CABLE	20 / 0.50	16.5	18.1	37.3	6.2	3M	GRAY	BLACK	I
38104-E020-G00 FL	2.1 - 2.4 DISCRETE	20 / 0.50	16.5	18.1	37.3	6.2	3M	GRAY	ORANGE	G
38104-F020-H00 FL	1.8 - 2.1 DISCRETE	20 / 0.50	16.5	18.1	37.3	6.2	3M	GRAY	YELLOW	H
38104-H022-K00 FL	1.1 - 1.4 DISCRETE	22 / 0.30	11.5	13.1	27.3	5.4	3M	WHITE	WHITE	K
38104-M018-M0M FL	2.54 FLAT CABLE	18 / 0.75	16.5	18.1	37.3	6.2	CC Link/LT	BLUE	BLUE	M
38104-A018-A0M FL	2.1 - 2.4 DISCRETE	18 / 0.75	16.5	18.1	37.3	6.2	CC Link/LT	BLUE	D.GREEN	A
38104-B018-B0M FL	1.8 - 2.1 DISCRETE	18 / 0.75	16.5	18.1	37.3	6.2	CC Link/LT	BLUE	L.GREEN	B
38102-0018-000 FL	2.54 FLAT CABLE	18 / 0.75	11.5	13.1	27.3	6.2	3M	BLACK	BLACK	O
38102-F020-H00 FL	1.8 - 2.1 DISCRETE	20 / 0.50	11.5	13.1	27.3	6.2	3M	GRAY	YELLOW	H
38102-W022-W00 FL	1.4 - 1.7 DISCRETE	22 / 0.30	11.5	13.1	27.3	5.4	3M	WHITE	PINK	W

DESIGN REFERENCE

NEXT ASSEMBLY

DO NOT SCALE DRAWING

SCALE 4/1

THIRD ANGLE PROJECTION

INTERPRET PER ASME Y14.5 - 1994

MAX SURFACE ROUGHNESS 125 ✓
□ ALL SURFACES
☒ MARKED ONLY

DIVISION Interconnect Solutions

DIVISION CODE ISD

TOLERANCES EXCEPT AS NOTED

INCHES .0 ± .00 ± .000 ± .0000 ±

MILLIMETERS 0 ± .0 ± .03 ± .13 ± .000 ±

ANGLES ±1°

REV ECO

ISSUE DATE AND DESCRIPTION

DRFT CHKD

DATE AUG 30, 2011

DATE

DATE

3M

3M Center St. Paul, MN 55144

© 3M COPYRIGHT 2011 This document and the information it contains are 3M property and may not be reproduced or further distributed without 3M permission, or used or disclosed other than for 3M authorized purposes. All rights reserved.

TITLE

CAGE NUMBER

SIZE

DRAWING NO.

REV.

2.54mm[.100"] LINK WIREMOUNT, HERMAPHRODITIC 381

78-5100-2098-1

E

MODEL

DET. LISTS

YES NO

SHT 2 OF 2

E 36079

SEP 09, 2011

MWL SAN

CONVERT TO NEW ENG. FORMAT, ADD 2 POSITION PART