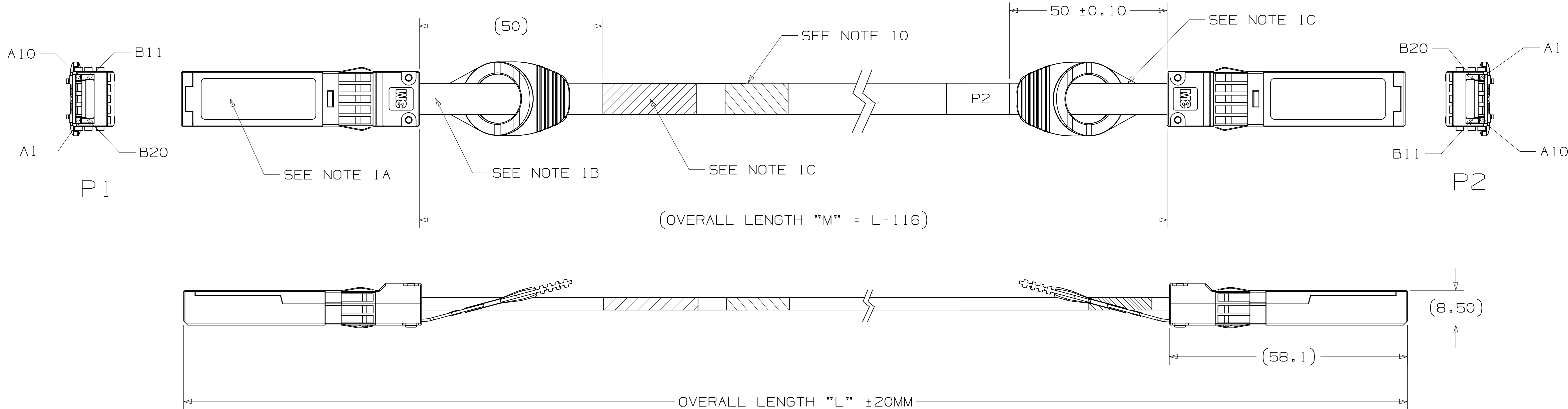


3M™ 25G SFP28 DIRECT ATTACH COPPER CABLE ASSEMBLIES, 1422/1423 SERIES



- NOTES:
- COMPONENTS:
 - A - SFP+ SHELL KIT, 2 PCS
 - B - HEAT SHRINKABLE TUBE BLACK (OPTIONAL), 2 PCS
 - C - LILONG LABEL=CLEAR/WHITE BACKGROUND WITH BLACK TEXT, TEXT H=2.00MM, ARIAL, L*W=40*30MM, "YYWW" IS DATE CODE, e.g YEAR=2007, WEEK=26, YYWW=0726
 - JACKET FOR CABLE CONFIG 24 AND 34: PVC, COLOR: BLACK
JACKET FOR CABLE CONFIG 35 AND 40: HALOGEN-FREE* CL2, COLOR: BLACK
METAL SHELL: NICKEL PLATED ZINC ALLOY
PULL TAB: HALOGEN-FREE* THERMOPLASTIC, COLOR: BLACK
PCB: HALOGENATED FLAME RETARDANT
 - THIS CABLE ASSEMBLY IS RoHS COMPLIANT.
 - BULK CABLE IMPEDANCE: 100±5 OHMS (DIFFERENTIAL)
 - DESIGN TO SFP STANDARD SFF-8431.
 - 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.
 - CABLE RETURN LOSS PERFORMANCE IS VALID FOR CABLE ASSEMBLIES OF A MINIMUM OF 1.00 METER IN LENGTH. CABLE ASSEMBLIES LESS THAN 1.00 METER IN LENGTH MAY NOT ACHIEVE THE RETURN LOSS PERFORMANCE IN IEEE802.3bJ. CABLE RETURN LOSS PERFORMANCE IS SUBJECT TO CHANGE WITH DIFFERENT CABLE ASSEMBLY LENGTHS. END USER WILL NEED TO DETERMINE WHETHER THIS PRODUCT IS SUITABLE FOR THEIR INTENDED APPLICATION.
 - PRODUCT SPECIFICATION REFER TO 3M DOCUMENT: 78-5102-0262-1.
 - * HALOGEN-FREE IS DEFINED AS BOTH (1) NO HALOGEN COMPOUNDS ARE INTENTIONALLY ADDED TO THE PRODUCT OR USED IN THE MANUFACTURING PROCESS FOR THE PRODUCT, AND (2) ANY IMPURITIES PRESENT ARE LESS THAN 900 PPM BROMINE, LESS THAN 900 PPM CHLORINE, AND/OR LESS THAN 1500 PPM TOTAL BROMINE AND CHLORINE.
 - CE AND WEEE LABEL.
CE HEIGHT: MUST BE AT LEAST 5MM
WEEE HEIGHT: MUST BE AT LEAST 7MM.

ORDERING INFORMATION

14XX-P XX-07-X.XX

22-UNIVERSAL PULL TAB (BOTTOM)
23-UNIVERSAL PULL TAB (TOP)

PASSIVE UNEQUALIZED

LENGTH OPTIONS "L" (in meters)
REFER TO PART NUMBER TABLE FOR DETAIL

CODE	CABLE CONFIGURATION
24	30AWG UTJ PVC JACKET COLOR BLACK WITH SHIELD (UP TO 2 METERS)
34	26AWG UTJ PVC JACKET COLOR BLACK WITH SHIELD (2 METERS TO 4 METERS)
35	30AWG CL2 JACKET COLOR BLACK WITH SHIELD (UP TO 2 METERS)
40	26AWG CL2 JACKET COLOR BLACK WITH SHIELD (2 METERS TO 4.5 METERS)

P1/P2	
PIN NO.	SYMBOL
1	VeeT
2	Tx_Fault
3	Tx_Disable
4	SDA
5	SCL
6	Mod_ABS
7	RS0
8	Rx_LOS
9	RS1
10	VeeR

ASSEMBLY PINOUT

P1		P2	
B11	GND	B20	GND
B12	Rx-	B19	Tx-
B13	Rx+	B18	Tx+
B14	GND	B17	GND
B15	-	B16	-
B16	-	B15	-
B17	GND	B14	GND
B18	Tx+	B13	Rx+
B19	Tx-	B12	Rx-
B20	GND	B11	GND

DESIGN REFERENCE	NEXT ASSEMBLY	REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
YUNLONG	YUNLONG	JUL 12, 2017	EDDIE	JUL 12, 2017		
DIVISION	DIVISION CODE	YUNLONG	YUNLONG	YUNLONG	YUNLONG	YUNLONG
EMSD	DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED	INCHES	MILLIMETERS	
	THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MAX SURFACE ROUGHNESS	MARKED ONLY	ANGLES ±1°	
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3M Center St. Paul, MN 55144				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				3M 25G SFP28 DIRECT ATTACH CABLE ASS'Y 1422/1423 SERIES		
CAGE NUMBER				SIZE	DRAWING NO.	REV.
D				78-5100-2664-0	F	
MODEL				SFP28	DET	LISTS
				YES	NO	SHT 1 OF 2

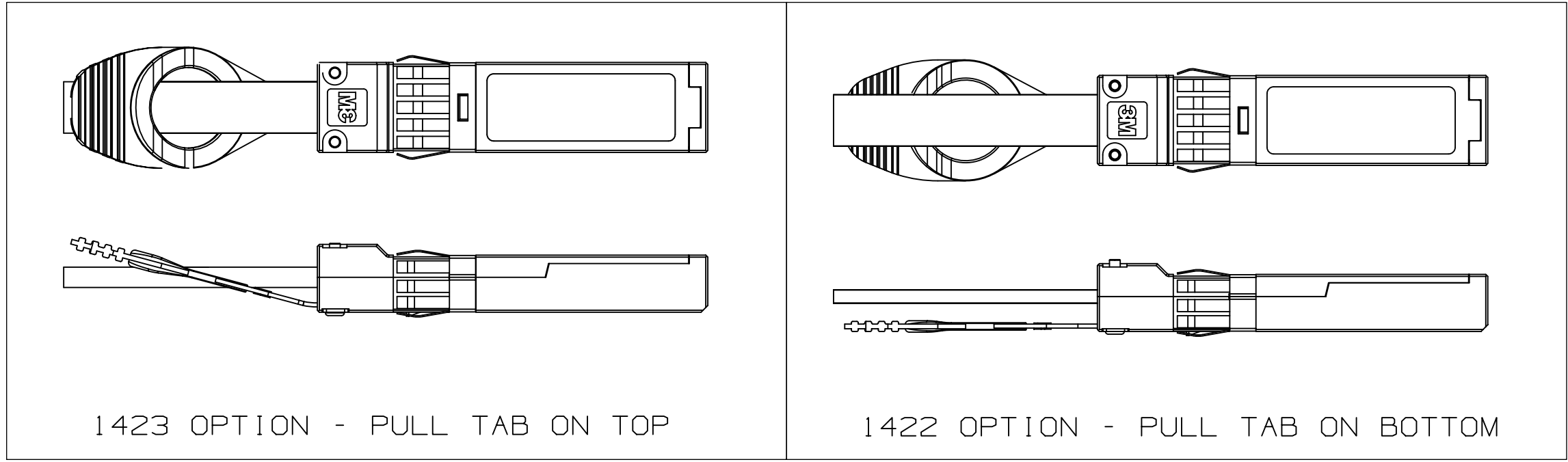
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<http://www.3M.com/interconnect>

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INFORMATION CALL 800-225-5373

3M™ 25G SFP28 DIRECT ATTACH COPPER CABLE ASSEMBLIES, 1422/1423 SERIES

D

D

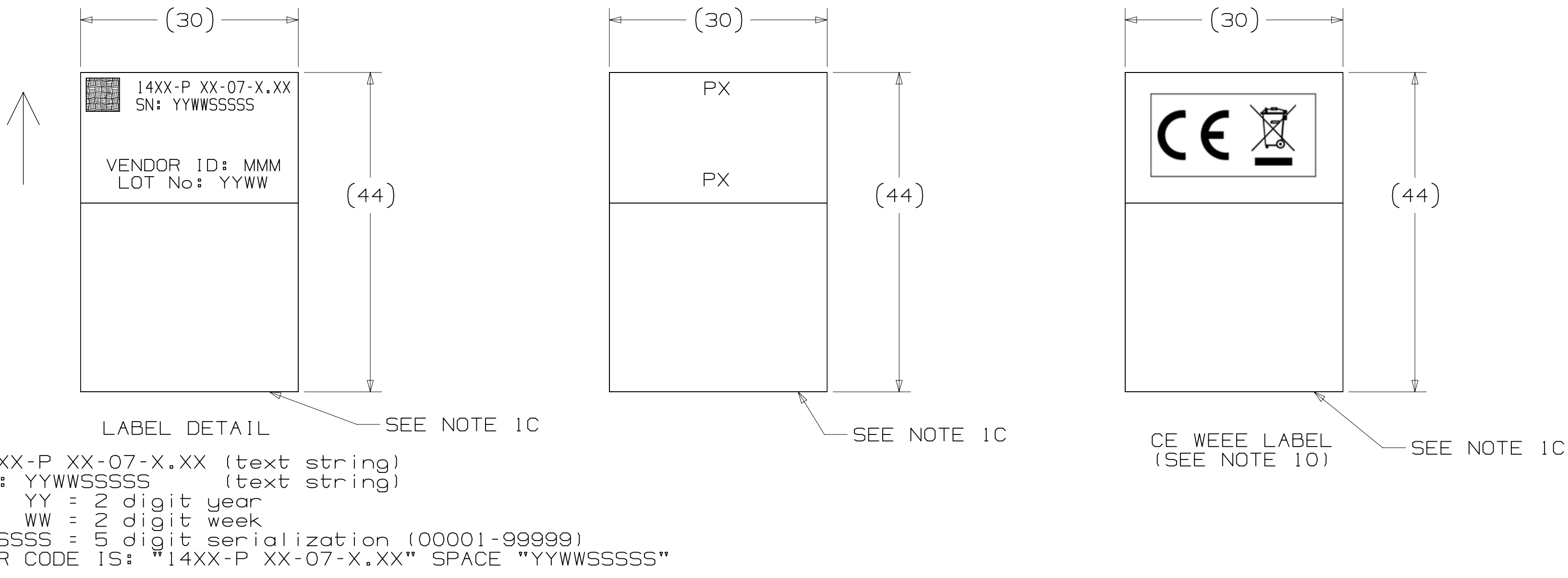


EXAMPLE - PART NUMBER ORDER DETAIL

3M PART NUMBER	CABLE OPTIONS	AWG	TOTAL LENGTH "L"	PULL TAB OPTIONS
1422-P24-07-0.50	UTJ PVC, BLACK WITH COPPER FOIL	30	0.5	BOTTOM
1422-P24-07-1.00	UTJ PVC, BLACK WITH COPPER FOIL	30	1.0	BOTTOM
1422-P24-07-2.00	UTJ PVC, BLACK WITH COPPER FOIL	30	2.0	BOTTOM
1422-P34-07-2.00	UTJ PVC, BLACK WITH COPPER FOIL	26	2.0	BOTTOM
1422-P34-07-3.00	UTJ PVC, BLACK WITH COPPER FOIL	26	3.0	BOTTOM
1422-P34-07-4.00	UTJ PVC, BLACK WITH COPPER FOIL	26	4.0	BOTTOM
1422-P35-07-1.00	CL2, BLACK WITH COPPER FOIL	30	1.0	BOTTOM
1422-P40-07-3.00	CL2, BLACK WITH COPPER FOIL	26	3.0	BOTTOM

C

C



B

B

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

Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

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F	91871	SEP 03,2020	JNC	DLD
E	86392	SEP 24,2019	JNC	DLD
D	84769	JUL 17,2019	JNC	DD
C	78965	MAY 03,2019	YL	YL

DESIGN REFERENCE	NEXT ASSEMBLY
XXXXXX	XXXXXX

DIVISION	DIVISION CODE
EMSD	

DO NOT SCALE DRAWING	SCALE	TOLERANCES EXCEPT AS NOTED

THIRD ANGLE PROJECTION	INTERPRET PER ASME Y14.5 - 2018	MILLIMETERS

MAX SURFACE ROUGHNESS	ANGLES ±1°
✓ UNFINISHED SURFACES	
□ MARKED ONLY	

REV	ECO	ISSUE DATE AND DESCRIPTION	DRFT	CHKD
DRP	YUNLONG	DATE JUL 12,2017	WFO	EDDIE
CHKD	YUNLONG	DATE JUL 12,2017	APPR	SAUJIT BANDHU

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TITLE	CAGE NUMBER	SIZE	DRAWING NO.	REV.
3M 25G SFP28 DIRECT ATTACH CABLE ASS'Y 1422/1423 SERIES	D	78-5100	2664-0	F
MODEL	SFP28	DET	Lists	YES
		NO	SHT	2 OF 2