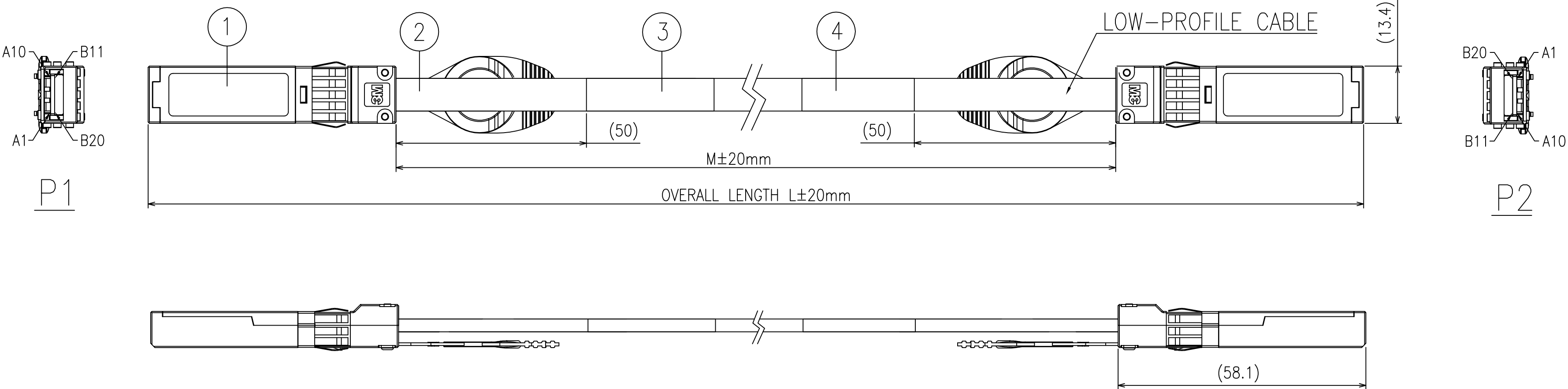




NOTES:

1. ORDERING INFORMATION: REFER TO PART NUMBER TABLE

3. MATERIALS:

- ① SFP+ SHELL KIT, 2 PCS
- ② 3M TWINAX CABLE
- ③④ LABEL:

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

4. JACKET TYPES: PVC, COLOR: BLUE / RED

5. CABLE FLAMMABILITY RATING: UL VW-1

6. THIS CABLE ASSEMBLY IS RoHS COMPLIANT

7. BULK CABLE MEETS UL TEMP. RANGE -20°C TO +80°C

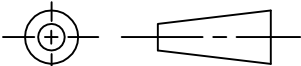
8. BULK CABLE IMPEDANCE: 100±5 OHMS (DIFFERENTIAL)

9. 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.

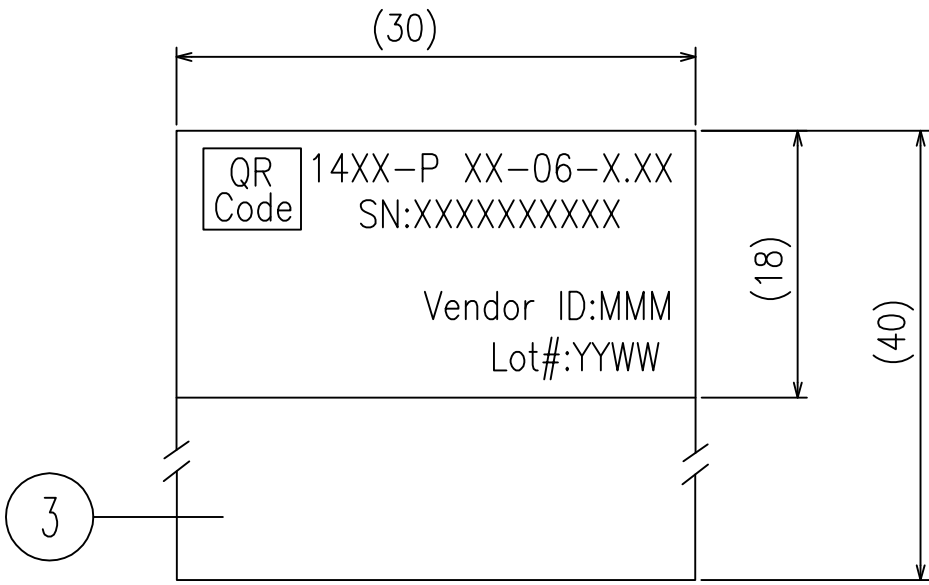
10. ALL CABLE ASSEMBLIES ARE INDIVIDUALLY BAGGED.

CABLE JACKET COLOR CODE

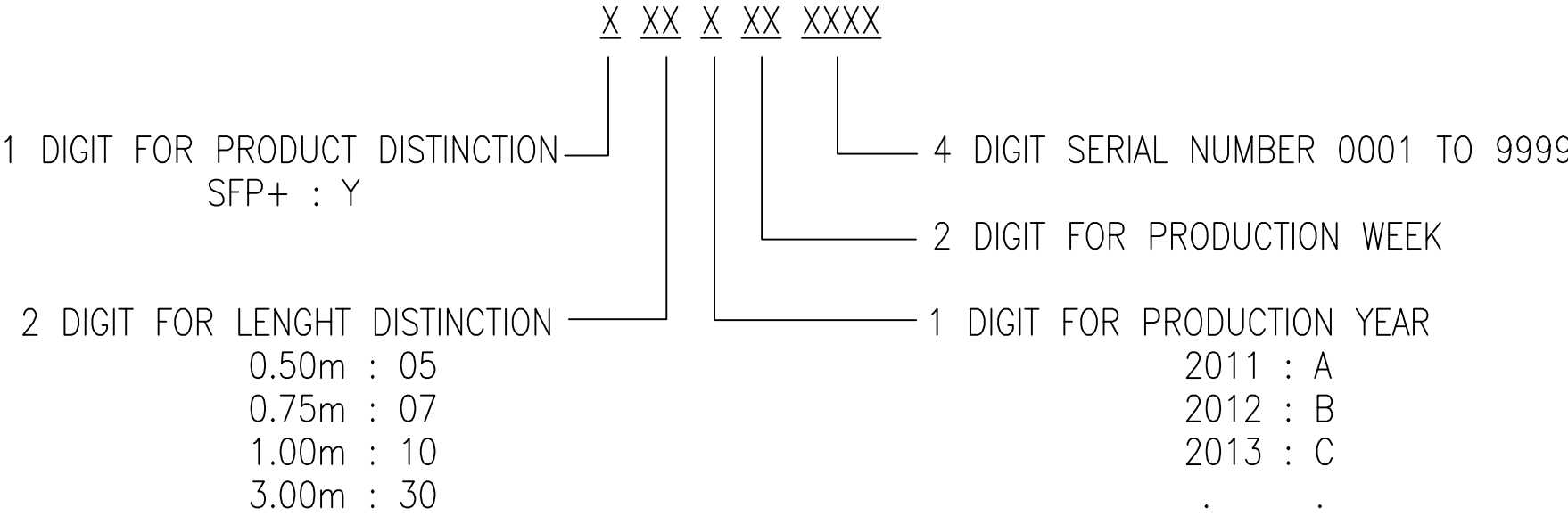
JACKET TYPE	MUNSELL COLOR
RED PVC	2.5R4/12
BLUE PVC	2.5PB4/10

				B	0063511	SEP 03,2015		YL	YL							
				A	0057015	SEP 16,2014		YL	YL							
DESIGN REFERENCE				NEXT ASSEMBLY				REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD			
DISTRIBUTION CODES								DRFT	YUNLONG		DATE	SEP 03,2015	MFG	EDDIE	DATE	SEP 03,2015
								CHKD	YUNLONG		DATE	SEP 03,2015	APPVL	SAUJIT BANDHU	DATE	SEP 03,2015
DIVISION ESD				DIVISION CODE				3M 3M Center St. Paul, MN 55144 © 3M COPYRIGHT 2016 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 1.3 1												
				INCHES •.0 ± •.00 ± •.000 ± •.0000 ±				TITLE 3M™ PASSIVE TWIN AXIAL CABLE ASSEMBLY FOR SFP+ APPLICATIONS WITH UNIVERSAL PULL TAB AND BLUE / RED COLOR CABLE OPTIONS								
THIRD ANGLE PROJECTION																
INTERPRET PER ASME Y14.5 - 1994				MILLIMETERS • ± •.0 ±.30 •.00 ±.15 •.000 ±.05												
MAX SURFACE ROUGHNESS 125				□ ALL SURFACES ✓ ☒ MARKED ONLY				CAGE NUMBER				SIZE	DRAWING NO.		REV.	
				ANGLES ±1°				C				78-5100-2649-1		B		
				MODEL				DET. LISTS				□ YES ☒ NO		SHT 1 OF 2		

LABEL DETAIL



SERIAL NUMBER (QR CODE) FORMAT:



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

PART NUMBER TABLE

3M™ CABLE ASSEMBLY P/N	CABLE COLOR	CABLE SIZE (AWG)	CABLE LENGTH (METERS) "M"	TOTAL LENGTH (METERS) "L"
1412-P20-06-1.00	RED	30 AWG	0.88	1.0
1412-P20-06-1.50	RED	30 AWG	1.38	1.5
1412-P20-06-2.00	RED	30 AWG	1.88	2.0
1412-P20-06-2.50	RED	30 AWG	2.38	2.5
1412-P20-06-3.00	RED	30 AWG	2.88	3.0
1412-P20-06-3.50	RED	30 AWG	3.38	3.5
1412-P20-06-4.00	RED	30 AWG	3.88	4.0
1412-P20-06-5.00	RED	30 AWG	4.88	5.0
1412-P21-06-1.00	BLUE	30 AWG	0.88	1.0
1412-P21-06-1.50	BLUE	30 AWG	1.38	1.5
1412-P21-06-2.00	BLUE	30 AWG	1.88	2.0
1412-P21-06-2.50	BLUE	30 AWG	2.38	2.5
1412-P21-06-3.00	BLUE	30 AWG	2.88	3.0
1412-P21-06-3.50	BLUE	30 AWG	3.38	3.5
1412-P21-06-4.00	BLUE	30 AWG	3.88	4.0
1412-P21-06-5.00	BLUE	30 AWG	4.88	5.0
1412-P31-06-4.00	RED	26 AWG	3.88	4.0
1412-P31-06-5.00	RED	26 AWG	4.88	5.0
1412-P31-06-6.00	RED	26 AWG	5.88	6.0
1412-P31-06-7.00	RED	26 AWG	6.88	7.0
1412-P32-06-4.00	BLUE	26 AWG	3.88	4.0
1412-P32-06-5.00	BLUE	26 AWG	4.88	5.0
1412-P32-06-6.00	BLUE	26 AWG	5.88	6.0
1412-P32-06-7.00	BLUE	26 AWG	6.88	7.0

DESIGN REFERENCE		NEXT ASSEMBLY		REFER TO PAGE 1					
DISTRIBUTION CODES				REV	ECO	ISSUE DATE AND DESCRIPTION		DRFT	CHKD
				DRFT	YUNLONG	DATE	SEP 03,2015	MFG	EDDIE
				DATE	SEP 03,2015	APPVL	SAUJIT BANDHU	DATE	SEP 03,2015
DIVISION ESD		DIVISION CODE		3M 3M Center St. Paul, MN 55144					
DO NOT SCALE DRAWING		SCALE NTS		TOLERANCES EXCEPT AS NOTED					
THIRD ANGLE PROJECTION		INTERPRET PER ASME Y14.5 - 1994		INCHES .0000 ± .0000 ± .0000 ± .0000 ±					
MAX SURFACE ROUGHNESS 125		ALL SURFACES MARKED ONLY		MILLIMETERS .0000 ± .0000 ± .0000 ± .0000 ±					
				ANGLES ±1°					
CAGE NUMBER				SIZE		DRAWING NO.		REV.	
MODEL				C		78-5100-2649-1		B	
				DET. LISTS		YES NO		SHT 2 OF 2	

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

3M:

[1412-P21-06-5.00](#) [1412-P20-06-2.00](#) [1412-P20-06-5.00](#) [1412-P21-06-3.50](#) [1412-P21-06-2.00](#) [1412-P21-06-1.50](#)
[1412-P20-06-3.50](#) [1412-P20-06-1.00](#) [1412-P20-06-1.50](#) [1412-P21-06-1.00](#) [1412-P21-06-2.50](#) [1412-P20-06-3.00](#)
[1412-P20-06-2.50](#) [1412-P21-06-3.00](#)