

З

		С	91871	SEP 03	SEP 03,2020		
				ADD NOTE	9 AND LABELS		
		В	86392	SEP 16	SEP 16,2019		
				REVISE NO	REVISE NOTES		
		Α	84719	JUN 26	JUN 26,2019		
				PRODUCTIO	DN RELEASE		
	ASSEMBLY	REV	ECO	ISSUE DATE A	ND DESCRIPTION	DRFT	CHKD
ACCESS CODES		DRFT	TIGLIONE	AUG 20,2018	MFG	DATE	
		СНКД		DATE	D. DOYE	DATE AUG 20	,2018
DIVISION	DIVISION CODE		ЗМ	Center This day mont	3M COPYRIGHT 2020		
DO NOT SCALE SCALE <u>3</u> DRAWING 2	TOLERANCES EXCEPT AS NOTED	3	st.	Paul, 55144 Ihis document 3M property ar distributed w disclosed othe All rights res	and the information it of nd may not be reproduced ithout 3M permission, or er than for 3M authorized served.	contains or furth used or d purpose	are ier :s.
DRAWING 2	.0 .00 .00	TITLE	10(28 TO	4X	
THIRD ANGLE PROJECTION	.000 ±		St	- 28 Di	AL LABL	Ŀ	
INTERPRET PER ASME Y14.5 - 2018	WILLIMETERS 0 ±		AS	SY, 9	IS SERIE	ES	
MAX SURFACE ROUGHNESS	.0 .00 ± .000 ±		IBER SIZE	drawing no. 78-510()-2679-	8	REV.
MARKED ONLY	ANGLES	MOD	EL QSFP28	D	ET. Ists □yes⊠no S	5HT 1	OF 3

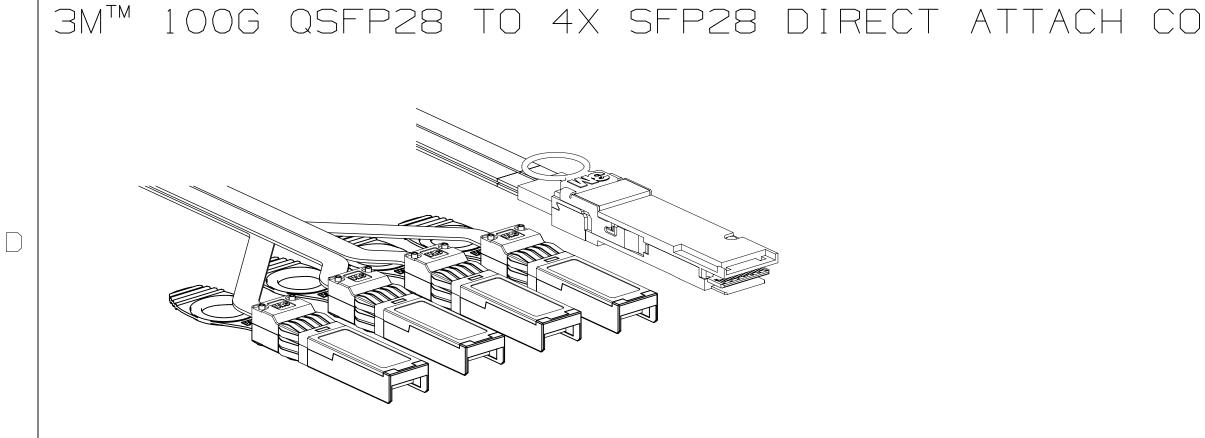
2

78-51 DRAWING NU

В

 \square

 \square



8

	POS.	SIGNAL	SPF+ END	POS.	SIGNAL
	1	GND (TX)			
	2	TX2n	P2	12	R×N
	З	TX2p	ΓZ	13	R×P
	4	GND (TX)			
	5	TX4n	P3	12	R×N
	6	TX4p		13	R×P
	7	GND (TX)			
	13	GND (RX)			
	14	RX3p	P4	18	TxP
	15	RX3n		19	T×N
	16	GND (RX)			
	17	RX1p	P5	18	TxP
	18	RX1n		19	T×N
QSPF28: P1 END	19	GND (RX)			
	20	GND (RX)			
	21	RX2n	P2	19	T×N
	22	RX2p		18	TxP
	23	GND (RX)			
	24	RX4n	P4	19	T×N
	25	RX4p		18	TxP
	26	GND (RX)			
	32	GND (TX)			
	33	ТХЗР	P3	13	R×P
	34	TX3n		12	R×N
	35	GND (TX)			
	36	TX1p	P5	13	R×P
	37	TX1n		12	R×N
	38	GND (RX)			

6

QSFP28	LOW SPEED
S	IGNALS
	P1
POS	SIGNAL
8	ModSelL
9	ResetL
10	VccRx
1 1	SCL
12	SDA
27	ModPrsL
28	IntL
29	VccTx
30	Vcc1
31	LPMode

ORDERING INFORMATION 95r - A<u>XX</u> - ABC - <u>X.XX</u> L (LENGTH IN METERS) L CABLE: D6 = 30 AWG, CL2, WITH SHIELD, MAX LENGTH 2 METERS D5 = 26 AWG, CL2, WITH SHIELD, MAX LENGTH 4.5 METERS NOTE: For custom lengths contact a 3m sales representative.

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

3M IS A TRADEMARK OF 3M COMPANY. For technical, sales or ordering information call 800-225-5373

В

А

6

	5		4	3	2	1					
OPPE	r cable	ASSEMBLIES,	95 series		ON: REFER TO PART NUMBER TA	BLE.					
				2. REFER TO PART NUMBE	2. REFER TO PART NUMBER TABLE FOR CABLE LNGTH, WIDTH AND WIRE AWG.						
				3. DESIGN TO MEET STAN	NDARDS: IEEE 802.36J, SFF-8	661, 8662, 8665, 8431.					
				METAL SHELL: N Pull tab: f	HALOGEN-FREE [*] CL2, COLOR: BL NICKEL PLATED ZINC ALLOY. HALOGEN-FREE [*] THERMOPLASTIC, HALOGENATED FLAME RETARDANT	, COLOR: BLACK.					
				5. ALL CABLE ASSEMBLIE	ES ARE INDIVIDUALLY BAGGED.						
				TO INDICATE SUBSTANTI SPECIFICATIONS. SUCH	ED, REFERENCES TO INDUSTRY SPEC IAL COMPLIANCE TO THE MATERIAL REFERENCES SHOULD NOT BE CONST QUIREMENTS IN THE STANDARD.	ELEMENTS OF THE					
					ION: VISIT 3M.com/regs OR CON) FIND THE RoHS COMPLIANCE ST/ INTERESTED IN.						
BIGNAL R×N R×P				INTENTIONALLY ADDED Process for the pro	EFINED AS BOTH (1) NO HALOG) TO THE PRODUCT OR USED IN)DUCT, AND (2) ANY IMPURITIE NE, LESS THAN 900 PPM CHLORI /INE AND CHLORINE.	THE MANUFACTURING Es present are less					
R×N R×P				9. CE AND WEEE LABEL. CE HEIGHT: MUST BE WEEE HEIGHT: MUST E							
T×P T×N											

ORDERING INFO.	CABLE AWG	ASSEMBLY Length "A"	LENGTH TOLERANCE		
9SR-AD6-ABC-0.50		0.5M	+/-25MM		
9SR-AD6-ABC-1.00	30	1 . OOM			
9SR-AD6-ABC-2.00		2.00M	 +∕-50MM		
9SR-AD5-ABC-3.00	26	MOO"E			
9SR-AD5-ABC-4.00	20	4.00M			

5

4

З

В

Ŵ

		С	91871	SEP 03,2020			JNC	DLD
				ADD NOTE 9 AND LABELS				
		В	86392	SEP 16,2019			JNC	DLD
				REVISE NOTES				
		А	84719		JUN 26	,2019	JNC	DLD
				F	PRODUCTIO	N RELEASE		
DESIGN REFERENCE NEXT	ASSEMBLY	REV	ECO	IS	BSUE DATE AN	ID DESCRIPTION	DRFT	CHKD
ACCESS CODES		DRFT	TIGLIONE		AUG 20,2018	MFG	DATE	
		СНКД		Ľ	DATE	D. DOYE	AUG 20	0,2018
DIVISION	DIVISION CODE			Center		3M COPYRIGHT 2020		
	EMSD		V		This document of 3M property and	and the information it (contains or furth	are
DO NOT SCALE SCALE <u>1</u>	TOLERANCES EXCEPT AS			. Paul, 55144	distributed wit disclosed other All rights rese	and the information it of d may not be reproduced thout 3M permission, or n than for 3M authorized	used or d purpose	s.
DRAWING 1	NOTED	TITLE			All rights rese	erved.		
	INCHES		1 🔿		QSEF	28 TA	4X	
	.00 🗡							
THIRD ANGLE PROJECTION	.000 ±		S	FΡ	28 DA	AC CABL	E	
INTERPRET PER	WILLIMETERS		АC	< ⊂ ▼	Y Q	s serie	$\Box \subseteq$	
ASME Y14.5 - 2018	0 <u>±</u>		/ \ _		ı, 🔾			
MAX SURFACE ROUGHNESS	.0 .00 ±	СА	GE SIZE BER		NG NO.			REV.
SURFACES	000 ±			/8		<u>)-26/9-</u>	Я	
MARKED ONLY	ANGLES	MODE				sts □yes⊠no S	6HT 2	OF 3
						1		Т

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

5

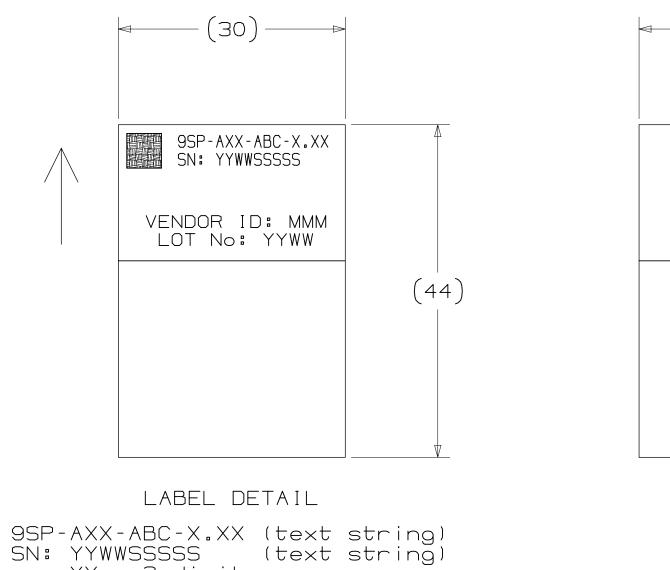
Technical Information: The technical information, recommendations and other statements contained in this document are based upon tests or experience that 3M believes are reliable, but the accuracy or completeness of such information is not guaranteed.

Product Use: Many factors beyond 3M's control and uniquely within user's control can affect the use and performance of a 3M product in a particular application. Given the variety of factors that can affect the use and performance of a 3M product, user is solely responsible for evaluating the 3M product and determining whether it is fit for a particular purpose and suitable for user's method of application.

Warranty, Limited Remedy, and Disclaimer: Unless an additional warranty is specifically stated on the applicable 3M product packaging or product literature, 3M warrants that each 3M product meets the applicable 3M product specification at the time 3M ships the product. 3M MAKES NO OTHER WARRANTIES OR CONDITIONS, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OR CONDITION OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY OR CONDITION ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OR TRADE. If the 3M product does not conform to this warranty, then the sole and exclusive remedy is, at 3M's option, replacement of the 3M product or refund of the purchase price

Limitation of Liability: Except where prohibited by law, 3M will not be liable for any loss or damage arising from the 3M product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

3M Company Electronics Materials Solutions Division 13011 McCallen Pass, Bldg. C Austin, TX 78753-5380 1-800-225-5373 www.3M.com/interconnect



YY = 2 digit year WW = 2 digit week

SSSSS = 5 digit serialization (00001-99999) BAR CODE IS: "9SP-AXX-ABC-X.XX" SPACE "YYWWSSSSS"

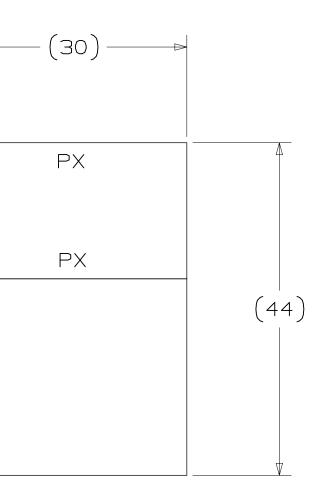
8

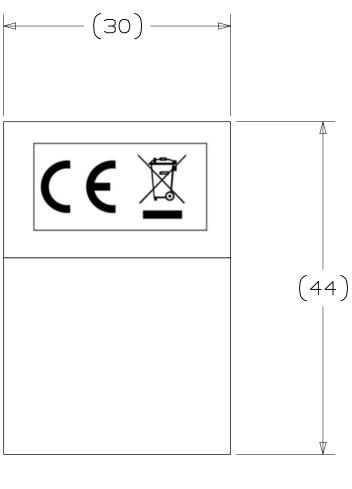
 \square

 \square

В

А





CE WEEE LABEL (SEE NOTE 9)

5

			91871		SEP ()3,2020	JNC	
		Ŭ	010/1			E 9 AND LABELS		
				/				
		В	86392			16,2019	JNC	DLD
				F	REVISE N	NOTES		
		А	84719		JUN 2	26,2019	JNC	DLD
				F	RODUCT	ION RELEASE		
	ASSEMBLY	REV	ECO	IS	SUE DATE	AND DESCRIPTION	DRFT	СНКД
ACCESS CODES		DRFT CAST	FIGLIONE	Ē	ATE UG 20,201	8 MFG	DATE	
		СНКД		D	ATE		AUG 20	0,2018
DIVISION	DIVISION CODE			Center		© 3M COPYRIGHT 2020)	
DO NOT SCALE	TOLERANCES EXCEPT AS		st.	Paul, 55144	This documer 3M property distributed	nt and the information it and may not be reproduced without 3M permission, or cher than for 3M authorize reserved.	contains or furth used or	are her
SCALE <u>1</u> DRAWING 1	NOTED			33111	All rights r	reserved.	o por pose	
	INCHES	TITLE		$\sim \sim$			4 \ /	
	.0 <u>+</u>		$1 \cup ($	JG	QSF	P28 TO	4 X	
	.000 ±		SE	FP2	28 C	AC CARL	F	
THIRD ANGLE PROJECTION	0000 ±				\sim			
INTERPRET PER ASME Y14.5 - 2018	NILLIMETERS 0 ±		A B	\Box	Ĭġ \	95 SERI	20	
MAX SURFACE ROUGHNESS	.0 .00 ±	CAI						REV.
SURFACES	.000 ±			18	-510) <u>0-2679-</u>	Я	
MARKED ONLY	ANGLES	MODE	asfp28			DET. Lists 🗆 yes 🛛 no S	БНТ З	OF 3
						L L		† _