

THIS DRAWING IS UNPUBLISHED.		RELEASED FOR PUBLICATION		20
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ITEM	DESCRIPTION	MATERIAL	OTHERS	
1	MALE CONTACT	BRONZE	GOLD PLATED	
2	MALE HOUSING	NYLON	BLACK	
3	MALE NUT	ZAMAK	NICKEL PLATED	
4	FEMALE CONTACT	BRONZE	GOLD PLATED	
5	FEMALE HOUSING	NYLON	BLACK	
6	FEMALE NUT	ZAMAK	NICKEL PLATED	
7	O-RING	SILICONE	GRAY	
8	OVER-MOLDING	PVC/TPU	BLACK	
9	SHIELDED SHELL	BRASS	NICKEL PLATED	
10	CABLE	PVC/PUR JACKET	GRAY/VIOLET	
11	LABEL	-	-	

NOTE:

①. TECHNICAL DATA SEE TABLE1

②. CODE POSITION INDICATOR

③. RECOMMENDED TORQUE 0.6 Nm

④. -*:CABLE LENGTH,FOR EXAMPLE:-0.5M

5. CABLE ASSEMBLY TO BE PACKAGED IN POLYBAGS

⑥. LABEL CONTAINS: PN, DATE CODE...

注释:

①. 技术参数参考表1

②. CODE位置指示

③. 推荐扭矩0.6 Nm

④. -*:线缆长度,例如:-0.5M

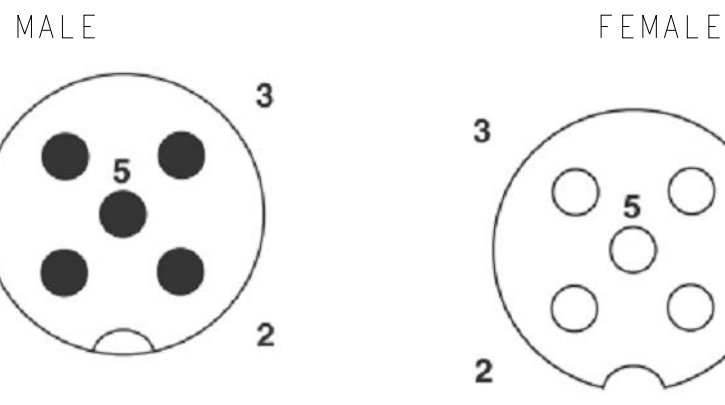
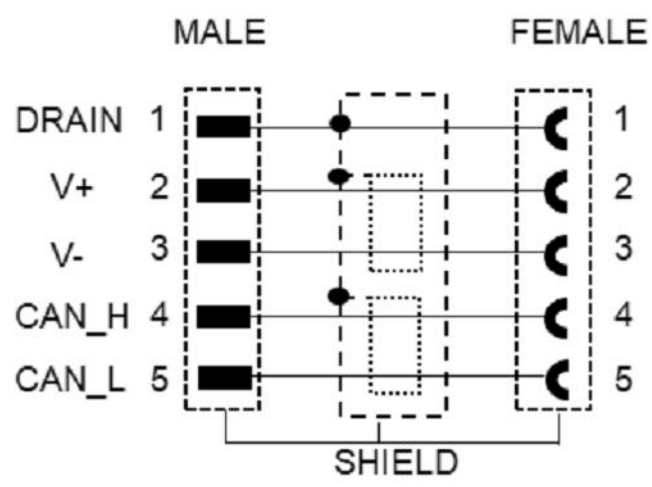
5. 线缆组件塑料袋包装

⑥. 标签包含: 产品编号, 日期代码...

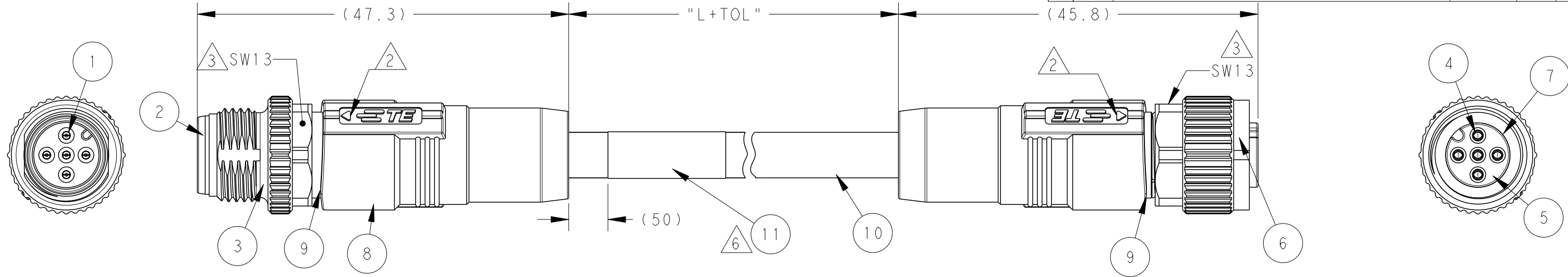
CIRCUT DIAGRAM
A-CODE

PIN 4 CAN_H WHITE
PIN 5 CAN_L BLUE
PIN 1 DRAIN BARE
PIN 3 V- BLACK
PIN 2 V+ RED

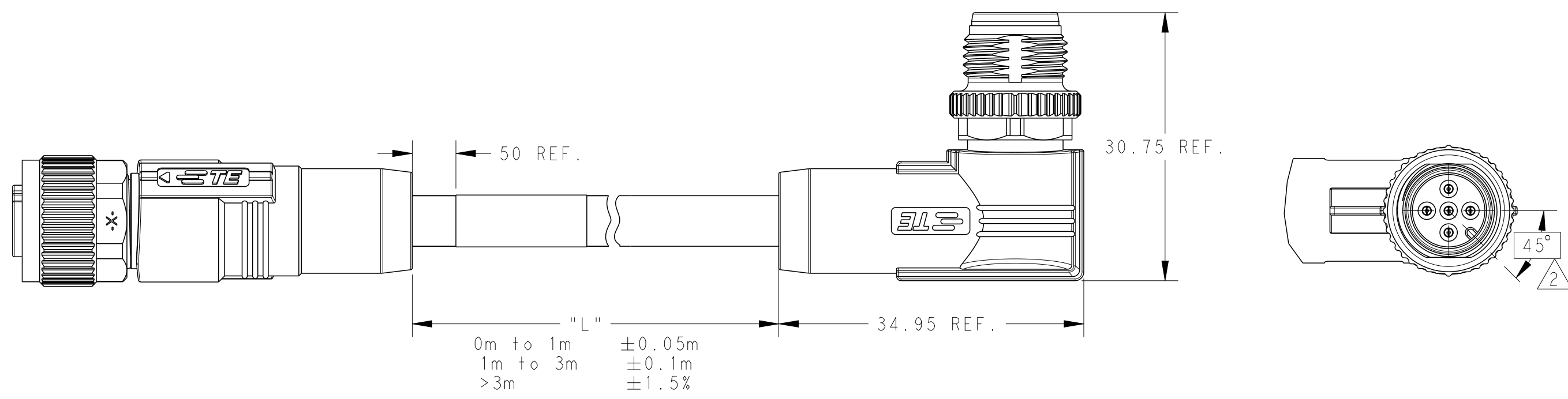
CIRCUITDIAGRAM



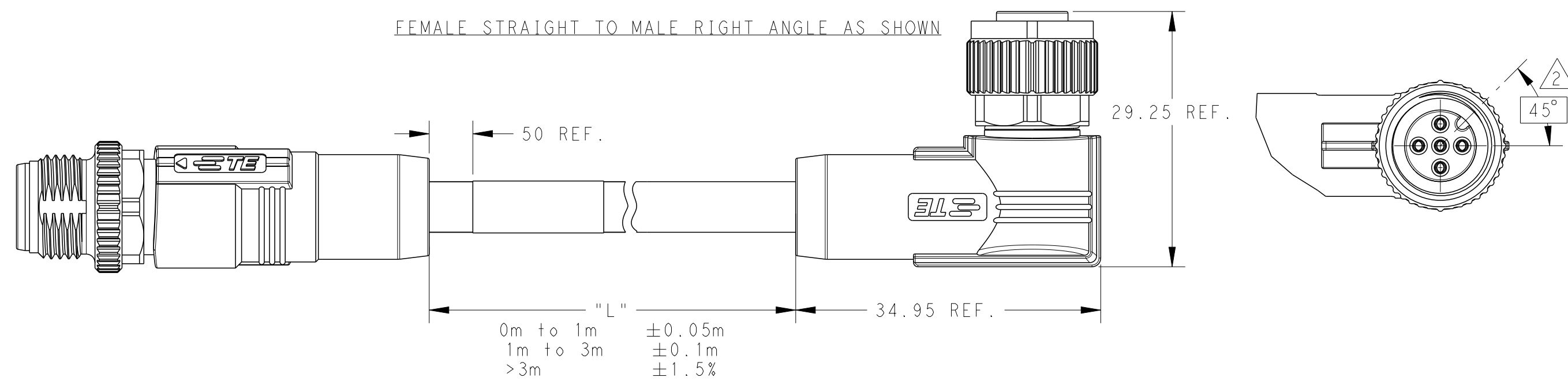
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	INITIAL RELEASE	29JUL2019	AZ	CW
	A1	CLARIFY TYPICAL PNS	22JUN2020	AZ	CW
	B	ECR-22-134232	28MAR2023	BP	CW



MALE STRAIGHT TO FEMALE STRAIGHT AS SHOWN



FEMALE STRAIGHT TO MALE RIGHT ANGLE AS SHOWN



MALE STRAIGHT TO FEMALE RIGHT ANGLE AS SHOWN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN ALEX ZHANG CHK HART HE APVD CHRIS WANG	11APR2019 11APR2019 11APR2019	TE Connectivity		
DIMENSIONS: mm		TOLERANCES UNLESS OTHERWISE SPECIFIED:		NAME M12 A CODE CABLE ASSY,SHIELDED 5P,MALE TO FEMALE		
		0 PLC ± 1 PLC ± 2 PLC ± 3 PLC ± 4 PLC ± ANGLES ± FINISH	± ± ± ± ± ±	PRODUCT SPEC 108-106140	SIZE A2	
MATERIAL -		APPLICATION SPEC 114-137144		CAGE CODE -		DRAWING NO C-TAA75XAXXXXXXX
-		WEIGHT -		RESTRICTED TO B		REV
CUSTOMER DRAWING		SCALE 2:1		SHEET 1 OF 2		

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REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	-	SEE SHEET 1	-	-	-

TE PN CODING:

T

A

X

X

X

X

X

X

X

X

X

-

X

X

X

TE M12 SERIES

CODE TYPE
A=A CODE

POLES NO:
5-5 POS

APPLICATION TYPE
7=DEVICENET/CANOPEN SHIELDED

WIRE GAUGE
A-2X22AWG+2X24AWG
+1X22 AWG DRAIN WIRE

INTERFACE TYPE
1=MALE STRAIGHT
2=MALE ANGLED
3=FEMALE STRAIGHT
4=FEMALE ANGLED
5=MALE STRAIGHT TO FEMALE STRAIGHT
6=MALE STRAIGHT TO FEMALE ANGLED
A=MALE ANGLED TO FEMALE STRAIGHT

CABLE JACKET
1=PVC MODERATE FLEXIBLE
5=PUR HIGH FLEXIBLE(DRAG CHAIN)

OVERMOLDING
0=BLACK TPU
1=BLACK PVC

CABLE JACKET COLOR
5=VIOLET
SIMILAR TO RAL4001
6=GRAY
SIMILAR TO RAL7037

OTHER ATTRIBUTES
1=STANDARD SCREW NUT WITH NICKEL PLATED/
STAMPED TERMINAL 30U"AU PLATING

TYPICAL LENGTH:
-001:0.5M
-002:1.0M
-020:2.0M
-040:4.0M
-060:6.0M
-080:8.0M
-007:10.0M
-150:15.0M
CUSTOMIZATION RULES:
-003:1.5M
-004:3.0M
-005:5.0M
-006:7.0M
-99X:0.XM(<1.0M)
(-993:0.3M)
-XXX:XX.XM(>1.0M)
(-155:15.5M)

TECHNICAL DATA	
RATED VOLTAGE	60V
RATED IMPULSE VOLTAGE	1500V
RATED CURRENT	4A
POLLUTION DEGREE	3
OVERVOLTAGE CATEGORY	II
MATERIAL GROUP	II
DEGREE OF PROTECTION	IP67

WIRES:2X22AWG+2X24AWG +1X22 AWG DRAIN WIRE WIRE COLOR: WHITE/BLUE/RED/BLACK OD: APPROX.6.9MM PUR JACKET,VIOLET OPERATION TEMPERATURE RATING:80°C UL OPERATION TEMP RATING: -40°C To +80°C DRAG CHAIN TEST: MIN. 0.5 MILLION CYCLES,DIAMETER 75MM, SPEED 2m/s,ACCELERATION 2m/s ²	TYPICAL LENGTH: -001:0.5M -002:1.0M -020:2.0M -040:4.0M -060:6.0M -080:8.0M -007:10.0M -150:15.0M CUSTOMIZATION RULES: -003:1.5M -004:3.0M -005:5.0M -006:7.0M -99X:0.XM(<1.0M) (-993:0.3M) -XXX:XX.XM(>1.0M) (-155:15.5M)	VIOLET	PUR	M12A5-MR-FS-PUR-**	5	TAA75AA5501-XXX
WIRES:2X22AWG+2X24AWG +1X22 AWG DRAIN WIRE WIRE COLOR: WHITE/BLUE/RED/BLACK OD: APPROX.7.1MM TEMPERATURE RATING:75°C UL OPERATION TEMP RATING: -10°C To +80°C		GRAY	PVC	M12A5-MS-FR-PUR-**		TAA756A5501-XXX
				M12A5-MS-FS-PUR-**		TAA755A5501-XXX
				M12A5-MR-FS-PVC-**		TAA75AA1611-XXX
				M12A5-MS-FR-PVC-**		TAA756A1611-XXX
				M12A5-MS-FS-PVC-**		TAA755A1611-XXX
CABLE CHARACTERISTIC	LENGTH "L"	JACKET COLOR	JACKET MATERIAL	TYPE	POS.	TE PN

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DIMENSIONS:
mm

MATERIAL
-

TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ±
1 PLC ±
2 PLC ±
3 PLC ±
4 PLC ±
ANGLES ±
FINISH -

-

DWN
ALEX ZHANG
11APR2019

CHK
HART HE
11APR2019

APVD
CHRIS WANG
11APR2019

PRODUCT SPEC
108-106140

APPLICATION SPEC
114-137144

WEIGHT
-

CUSTOMER DRAWING

TE Connectivity

NAME
M12 A CODE CABLE ASSY,SHIELDED
5P,MALE TO FEMALE

SIZE
A2

CAGE CODE
-

DRAWING NO
©TAA75XAXXXXXXX

RESTRICTED TO

SCALE
1:1

SHEET
2

OF
2

REV
B

1471-9 (3/13)