

4

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NOV ,2007.

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LOC

DIST

REVISIONS

P

LTR

DESCRIPTION

DATE

DWN

APVD

E

B

A1

ECR-16-000721

09FEB2016

GG

NG

PROJECT

PRJ-14-000004825

PART NO

X-2823448-X

HV DESC

M12, A-CODED,RAIL FEMALE,8 CRIMP

CUSTOMER

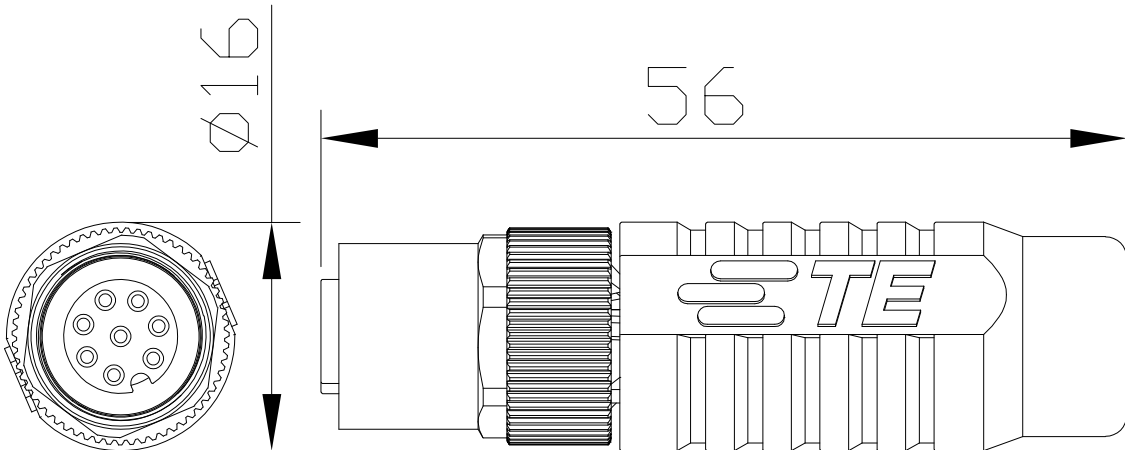
GENERAL MARKET

CABLE SOCKET AS SHOWN

(SEE SHEET 2 FOR CHILD PART DETAILS)

Ø16

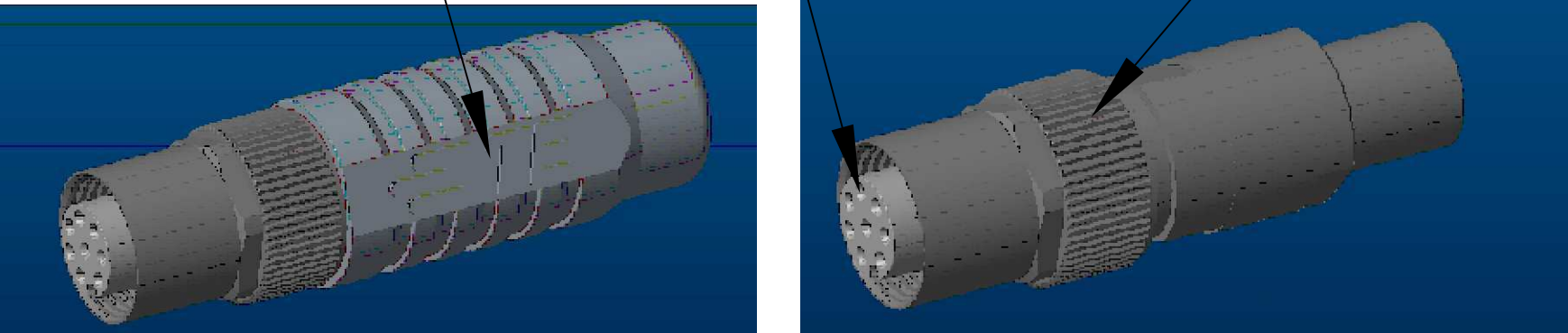
56



2

3

1



CODE	TE FG PN'S	NUMBER OF POLES IN CONNECTOR	NUMBER OF CONTACTS REQUIRED	CABLE SOCKET	BULKHEAD SOCKET	CABLE REFERENCE	AWG	HAND TOOL (TE PN) (COMPACT)	HAND TOOL (TE PN) (STANDARD)	RECOMMENDED POSITIONER (TE PN) (COMPACT)	RECOMMENDED POSITIONER (TE PN) (STANDARD)	CRIMP TOOL TE PN FOR CRIMP FLANGE/SLEEVE	CRIMP INSERT TE PN'S	CABLE JACKET STRIPPING TOOL TE PN	ASSEMBLY TOOL HANDLE FOR CRIMP FLANGE TE PN	UNIVERSAL INSERT TE PN (ALL M12 CODES)	ASSEMBLY TOOL FRONT HOUSING AND BACK NUT TE PN	CABLE COLOUR	NUMBER OF WIRES PER CABLE	CABLE MANUFACTURER	CABLE PN
A code	1-2823448-1	8	8	x		Cat 7 radox 8.2mm	AWG22						1-2823558-4					BLUE	8	H & S	84124806
A code	1-2823448-2	8	8	x		Cat 7 Betatrans data C-Flex 8.8mm	AWG24						1-2823558-7					BLACK	8	Leoni	302834 - 871433
A code	1-2823448-3	8	8	x		Cat 5 Megaline 5.3mm	AWG26						1-2823558-1					GREY	8	Leoni	20123 3103012
A code	1-2823448-4	8	8	x		Cat 7 radox 8.2mm	AWG22						1-2823558-5					BLUE	8	H & S	84124806
A code	1-2823448-5	8	8		x	Cat 5 Megaline 5.3mm	AWG26						1-2823558-1					GREY	8	Leoni	20123 3103012
A code	1-2823448-6	8	8		x	Cat 7 radox 8.2mm	AWG22						1-2823558-6					BLUE	8	H & S	84124806

NOTES:

MATERIAL:

ITEM NO. 1: HOUSING – BRASS, NICKEL PLATED.

ITEM NO. 2: PLASTIC BODY – PA (UL94 V-0).

ITEM NO. 3: CONTACT FINISH – Au (gold).

CONTACT – CuZn (Brass).

– ALL DIMENSIONS ARE FOR NOMINAL REFERENCE ONLY.

–PACKAGING: 1 PIECE IN A BAG.

–THE CONNECTOR IS AS PER IEC 61076-2-101.

–TEMPERATURE RANGE: -40°C TO 85°C (WITH CABLE BOOT),
-30°C TO 85°C (WITHOUT CABLE BOOT).

–VIBRATION & SHOCK TEST CONDUCTED AS PER IEC 61373:1999.

–FIRE PERFORMANCE CONDUCTED AS PER EN45545-2, NFF16-101 AND NFF16-102.

–THE THREAD OF THE MATING INTERLACE WITH THE COUNTERPART IS M12x1
ACCORDING TO IEC61076-2-101.

–REFER SPEC NO 408-156019 FOR INSTRUCTION SHEET. (CABLE SOCKET).

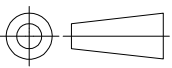
–REFER SPEC NO 408-156023 FOR INSTRUCTION SHEET. (BULKHEAD CABLE).

–CRIMP INSERT: SHOULD BE VALIDATED ON CABLE USED.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

MM



TOLERANCES UNLESS OTHERWISE SPECIFIED:

0 PLC ± -

1 PLC ± -

2 PLC ± -

3 PLC ± -

4 PLC ± -

ANGLES ± -

FINISH

MATERIAL

-

DWN

GUNA

07DEC2015

CHK

GANI

07DEC2015

APVD

JAYANTH

07DEC2015

PRODUCT SPEC

108-156001

APPLICATION SPEC

114-156002

WEIGHT

24 g

CUSTOMER DRAWING

TE Connectivity

NAME

M12, A-CODED
RAIL FEMALE 8 CRIMP CONNECTORS

SIZE

CAGE CODE

DRAWING NO

RESTRICTED TO

A3

00779

C=2823448

-

SCALE

NTS

SHEET

1 OF 2

REV

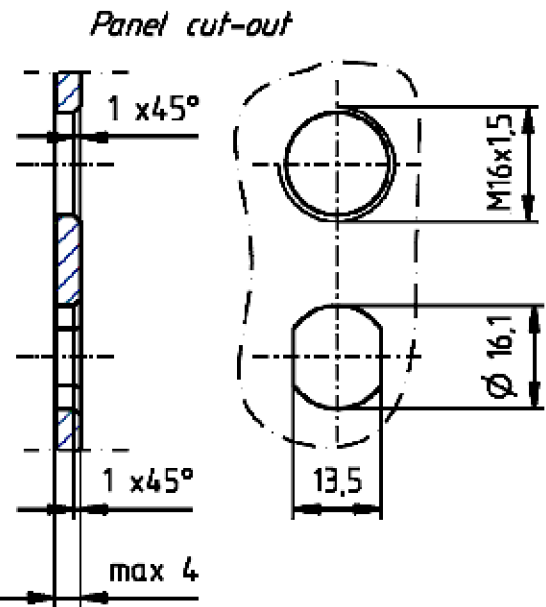
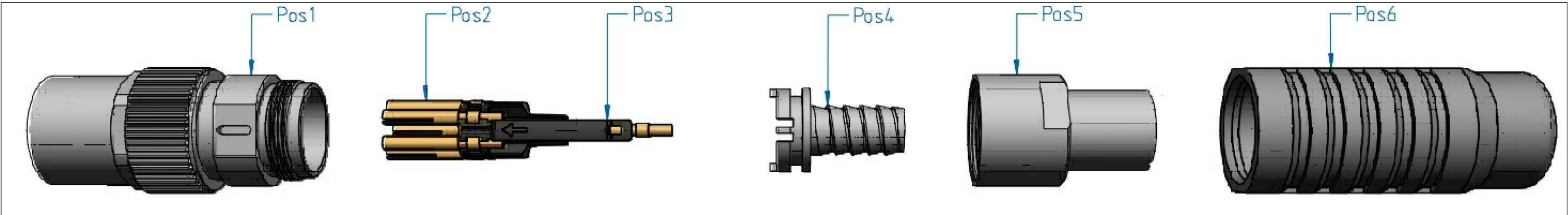
A1

1470-19 (3/11)

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PROJECT		PRJ-14-000004825			
PART NO		X-2823448-X			
HV DESC		M12, A-CODED,RAIL FEMALE,8 CRIMP			
CUSTOMER		GENERAL MARKET			

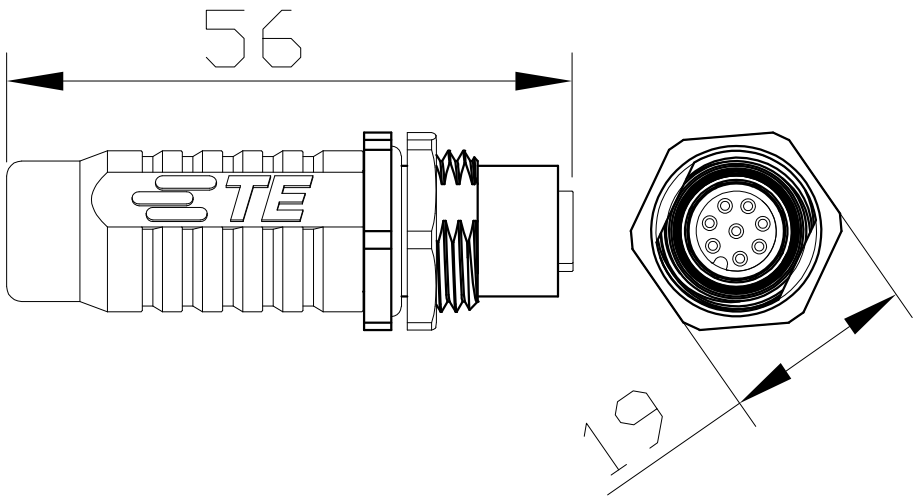
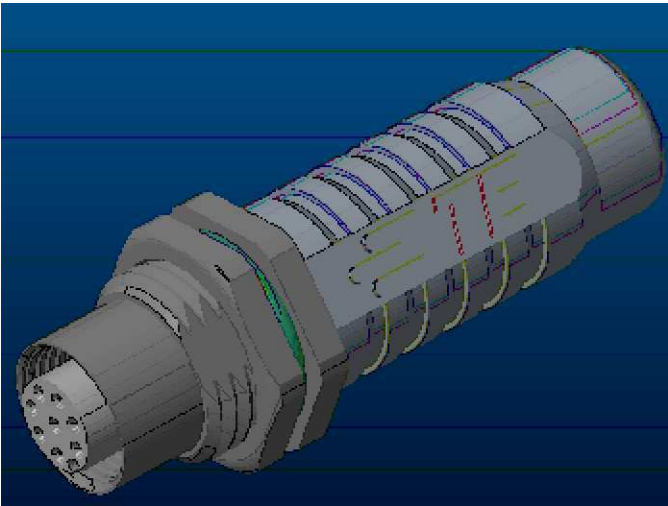
LOC E	DIST B	REVISIONS					
		P	LTR	DESCRIPTION	DATE	DWN	APVD
			—	SEE SHEET 1	—	—	—

CABLE SOCKET AS SHOWN



CUSTOMER CAN CHOOSE ANY ONE OF THE PANEL CUT-OUT.

BULK HEAD SOCKET TE PN'S: 1-2823448-5 & 1-2823448-6
BULK HEAD AS SHOWN



6	GRIP BOOT	1	PC
5	BACK NUT & CRIMP SLEEVE	1	PC
4	CRIMP INSERT	1	PC
3	CONTACT HOLDER	1	PC
2	CRIMP CONTACTS MACHINED	8	PC
1	FRONT HOUSING	1	PC
Position	DESCRIPTION	QTY	UNIT

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN	GUNA	07DEC2015	 TE Connectivity		
		CHK	GANI	07DEC2015			
		APVD	JAYANTH	07DEC2015	NAME		
		PRODUCT SPEC			M12, A-CODED RAIL FEMALE 8 CRIMP CONNECTORS		
		APPLICATION SPEC					
		WEIGHT			SIZE	CAGE CODE	DRAWING NO
		24 g			A3	00779	C-2823448
		CUSTOMER DRAWING			SCALE	SHEET	REV
					NTS	2 OF 2	A1