

NOTES:
ALL DIMENSIONS ARE NOMINAL FOR REFERENCE
ONLY UNLESS OTHERWISE STATED.

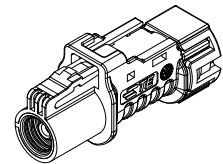
RoHS: COMPLIANT.

SPECIFICATIONS:
IMPEDANCE: 50Ω
FREQUENCY: DC TO 9GHz
VSWR INSERTION LOSS FEEQUENCY,GHz
<1.25 0.20 @DC 0.01≤ f ≤ 2GHz
<1.45 0.45 2< f ≤ 6 GHz
<1.55 0.50 6< f ≤ 7 GHz
<1.75 0.55 7< f ≤ 9 GHz

TEST VOLTAGE: 800 VRMS
WORKING VOLTAGE: ≤60V DC
CURRENT RATING: ≤1A DC

MECHANICAL CHARACTERISTICS
MATING CYCLES: ≥25.
ENGAGEMENT FORCE: ≤25 N.
DISENGAGEMENT FORCE: ≥2 N.
RETENTION FORCE LATCH: ≥110 N.

ENVIRONMENTAL PARAMETER
TEMPERATURE RANGE: -40°C TO +105°C.
WATER TIGHTNESS: IP67&IP6K9K.



CODING	COLOR
A	JET BLACK
B	CREAM WHITE
C	SIGNAL BLUE
D	CLARET VIOLET
E	LEAF GREEN
F	NUT BROWN
G	BLUE GREY
H	LIGHT PINK
J	BEIGE
K	CURRY
N	PASTEL GREEN
Z	WATER BLUE

CONFIGURATION TABLE

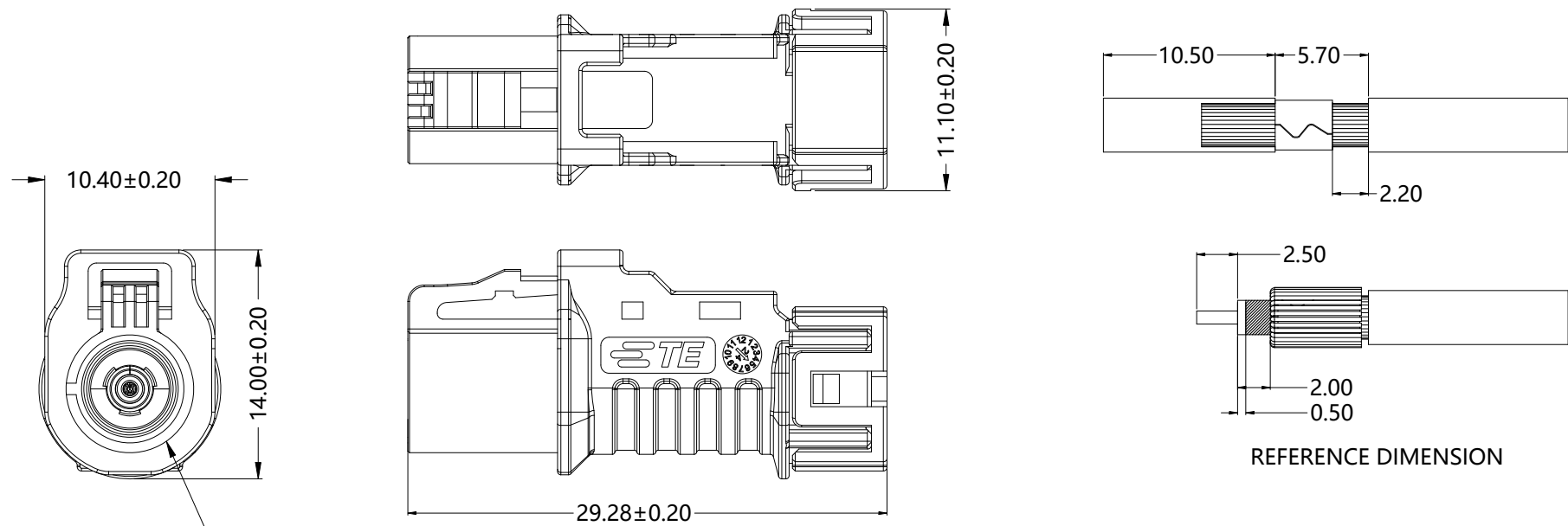
TEPN	DESCRIPTION	CODING
2545464-1	MINI-FAKRA JACK 1P STR A-CODE HSG WP	A
2545464-2	MINI-FAKRA JACK 1P STR B-CODE HSG WP	B
2545464-3	MINI-FAKRA JACK 1P STR C-CODE HSG WP	C
2545464-4	MINI-FAKRA JACK 1P STR D-CODE HSG WP	D
2545464-5	MINI-FAKRA JACK 1P STR E-CODE HSG WP	E
2545464-6	MINI-FAKRA JACK 1P STR F-CODE HSG WP	F
2545464-7	MINI-FAKRA JACK 1P STR G-CODE HSG WP	G
2545464-8	MINI-FAKRA JACK 1P STR H-CODE HSG WP	H
2545464-9	MINI-FAKRA JACK 1P STR J-CODE HSG WP	J
1-2545464-0	MINI-FAKRA JACK 1P STR K-CODE HSG WP	K
1-2545464-1	MINI-FAKRA JACK 1P STR N-CODE HSG WP	N
1-2545464-2	MINI-FAKRA JACK 1P STR Z-CODE HSG WP	Z

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:
	0 PLC ± - 1 PLC ± 0.3 2 PLC ± 0.2 3 PLC ± 0.1 4 PLC ± - ANGLES ± 5
MATERIAL SEE TABLE	FINISH -

DWN TP	23JUNE26	TE Connectivity Ltd.			
CHK TP	23JUNE26				
APVD ARAVIND	23JUNE26	NAME MINI-FAKRA JACK 1P STR X-CODE HSG WP			
PRODUCT SPEC -		-			
APPLICATION SPEC -		-			
WEIGHT SEE NOTE	A3	CAGE CODE 00779	DRAWING NO C-2545464	RESTRICTED TO -	
CUSTOMER DRAWING		SCALE 1:1	SHEET 1 OF 4	REV A	

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	GTP;ECN-26-395384	23JUL2026	TP	AV



NOTES:
FINISH (PLATING THICKNESS IN MICRO-INCHES)

- 100 MICROINCHES MIN MATTE TIN PLATED.
(10WT%P) MICROINCHES MIN OVER NICKEL UNDERPLATED.
50 MICROINCHES MIN OVER COPPER UNDERPLATED.
- 50 MICROINCHES MIN NICKEL PLATED.
- 5 MICROINCHES MIN GOLD PLATED.
(10WT%P) MICROINCHES MIN OVER NICKEL UNDERPLATED.
50 MICROINCHES MIN OVER COPPER UNDERPLATED.

BLACK	PBT 30%GF	UPPER/LOWER COVER	8
NOTE 3	PHOSPHOR BRONZE	TERMINAL	7
NOTE 2	STAINLESS STEEL	CRIMP	6
YELLOW GREEN	PBT 30%GF	BACK COVER	5
REFER COMPONENTS TABLE	SILICONE RUBBER	SEALING RING 2	4
REFER COMPONENTS TABLE	SILICONE RUBBER	SEALING RING 1	3
NOTE 1	PHOSPHOR BRONZE	OUTER CONTACT	2
UL94 V0 (REF CODING COLOR)	PA66 30%GF	HOUSING	1
FINISH/PLATING/GRADE	MATERIAL	DESCRIPTION	ITEM

PARTS LIST

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

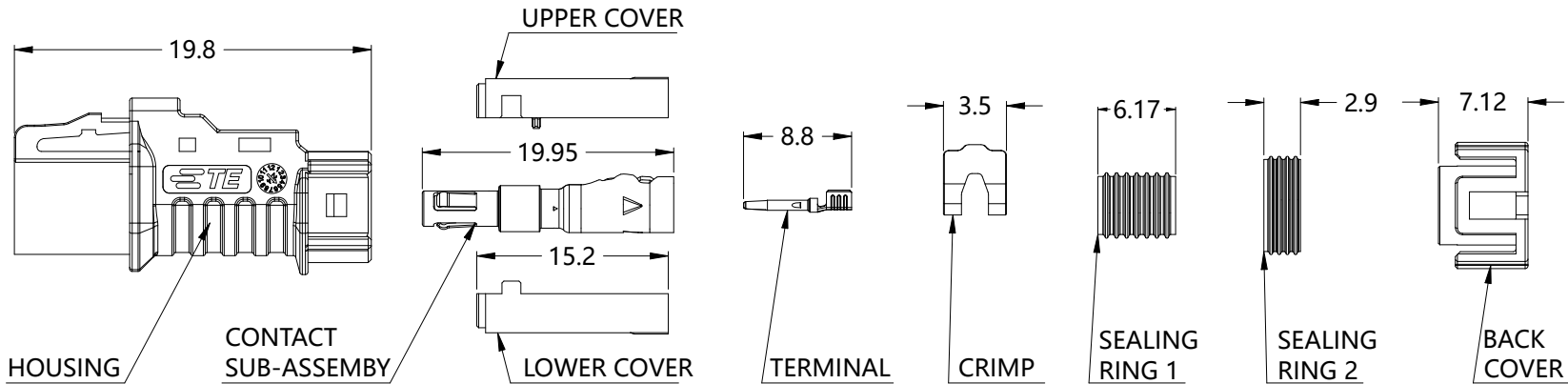
NOTES:
THE FINISH GOODS REQUIRE SEPARATION OF INDIVIDUAL COMPONENTS FOR ASSEMBLY.

EACH FINISH GOOD COMPONENTS REFER TO PART NUMBER (TCPN) TABLE AS SHOW ON THE DRAWING SHEET 2 & 3.

QTY PER PACKAGING AS SHOW ON THE TABLE, DRAWING SHEET 2 & 3. DETAIL COMPONENTS & PACKAGING SPEC, REFER COMPONENT DRAWING.

ASSEMBLY INSTRUCTION REFER TO TE.COM FOR EACH FINISH GOOD PART NUMBERS

PRODUCT WEIGHT: 2.70 g



COMPONENTS TABLE: X-2545464-X FOR CABLE RTK031

TEPN	DESCRIPTION	QPA	PACKAGING SPEC & QTY
X-2545464-X	HOUSING (REFER TO 1ST PAGE CONF-TABLE)	1	500 PCS./BAG , 4000 PCS./BOX.
2554540-1	CONTACT SUB-ASSEMBY	1	1000 PCS./REEL , 8000 PCS./BOX.
2554550-1	UPPER COVER (BLACK)	1	2000 PCS./BAG , 4 BAG./BOX.
2554551-1	LOWER COVER (BLACK)	1	2000 PCS./BAG , 4 BAG./BOX.
2554545-1	TERMINAL	1	4000 PCS./REEL , 24000 PCS./BOX.
2554584-1	CRIMP	1	1500 PCS./REEL ,12000 PCS./BOX.
2554555-1	SEALING RING 1 FOR RTK301 (RED)	1	2000 PCS./BAG , 4 BAG./BOX.
2554557-1	SEALING RING 2 (RED)	1	2000 PCS./BAG , 4 BAG./BOX.
2554558-1	BACK COVER (YELLOW)	1	2000 PCS./BAG , 4 BAG./BOX.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP	23JUNE26	TE Connectivity Ltd.		
		CHK TP	23JUNE26			
DIMENSIONS: mm		APVD	23JUNE26	NAME MINI-FAKRA JACK 1P STR X-CODE HSG WP		
		ARAVIND				
		PRODUCT SPEC				
		APPLICATION SPEC		SIZE	CAGE CODE	DRAWING NO
MATERIAL		WEIGHT	2.70 g	A3	00779	C-2545464
SEE TABLE		CUSTOMER DRAWING		SCALE	1:1	SHEET 2 OF 4
				REV A		

NOTES:
THE FINISH GOODS REQUIRE SEPARATION OF INDIVIDUAL COMPONENTS FOR ASSEMBLY.

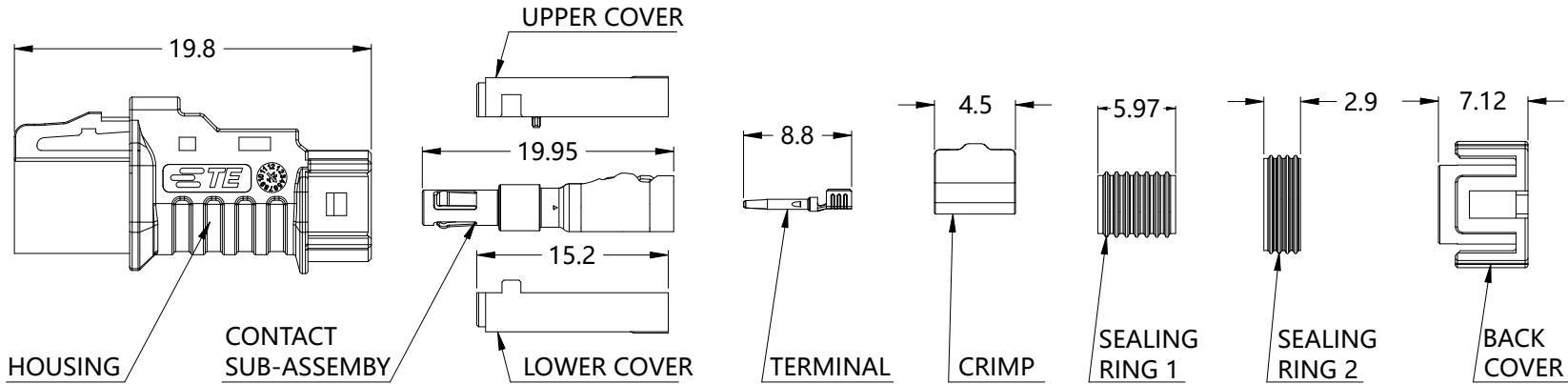
EACH FINISH GOOD COMPONENTS REFER TO PART NUMBER (TCPN) TABLE AS SHOW ON THE DRAWING SHEET 2 & 3.

QTY PER PACKAGING AS SHOW ON THE TABLE, DRAWING SHEET 2 & 3. DETAIL COMPONENTS & PACKAGING SPEC, REFER COMPONENT DRAWING.

ASSEMBLY INSTRUCTION REFER TO TE.COM FOR EACH FINISH GOOD PART NUMBERS

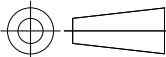
PRODUCT WEIGHT: 2.75 g

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—



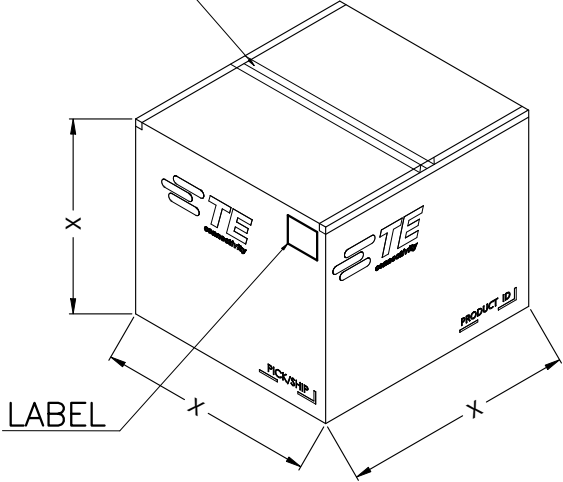
COMPONENTS TABLE: X-2545464-X FOR CABLE RG174

TEPN	DESCRIPTION	QPA	PACKAGING SPEC & QTY
X-2545464-X	HOUSING (REFER TO 1ST PAGE CONF-TABLE)	1	500 PCS./BAG , 4000 PCS./BOX.
2554542-1	CONTACT SUB-ASSEMBY	1	1000 PCS./REEL , 8000 PCS./BOX.
2554550-1	UPPER COVER (BLACK)	1	2000 PCS./BAG , 4 BAG./BOX.
2554551-1	LOWER COVER (BLACK)	1	2000 PCS./BAG , 4 BAG./BOX.
2554545-1	TERMINAL	1	4000 PCS./REEL , 24000 PCS./BOX.
2554549-1	CRIMP	1	1500 PCS./REEL ,12000 PCS./BOX.
2554556-1	SEALING RING 1 FOR RG174 (YELLOW GREEN)	1	2000 PCS./BAG , 4 BAG./BOX.
2554557-1	SEALING RING 2 (RED)	1	2000 PCS./BAG , 4 BAG./BOX.
2554558-1	BACK COVER (YELLOW GREEN)	1	2000 PCS./BAG , 4 BAG./BOX.

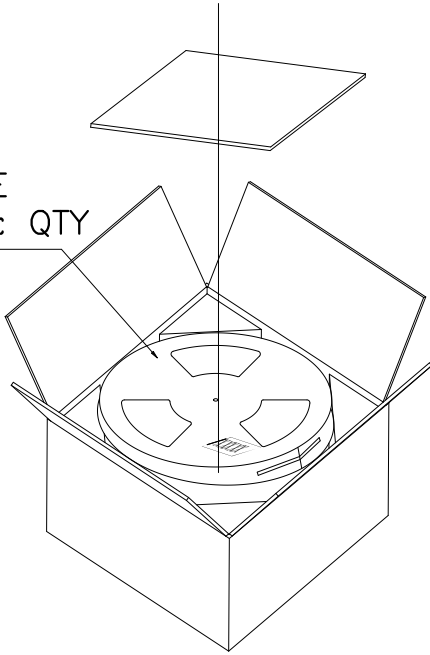
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP	23JUNE26	 TE Connectivity Ltd.		
		CHK TP	23JUNE26			
DIMENSIONS: mm		APVD ARAVIND	23JUNE26	NAME		
		PRODUCT SPEC		MINI-FAKRA JACK 1P STR X-CODE HSG WP		
		APPLICATION SPEC		—		
MATERIAL SEE TABLE		WEIGHT	2.75 g	SIZE	CAGE CODE	DRAWING NO
		FINISH	—	A3	00779	C-2545464
						RESTRICTED TO
						—
CUSTOMER DRAWING				SCALE	1:1	SHEET 3 of 4
						REV A

REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	—	—	—

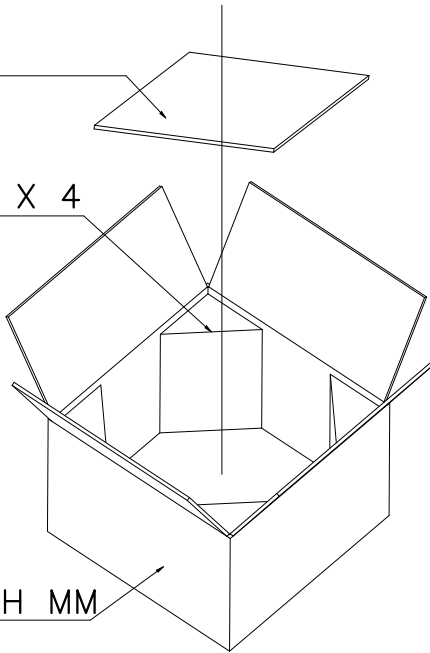
SEAL THE BOX WITH
ADHESIVE TAPE



QTY, REFER TO
COMPONENTS TABLE
PACKAGING SPEC & QTY



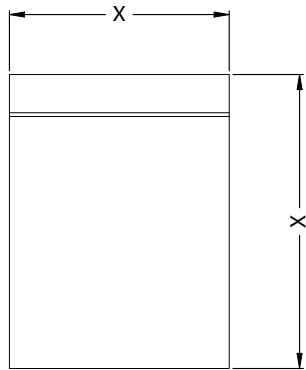
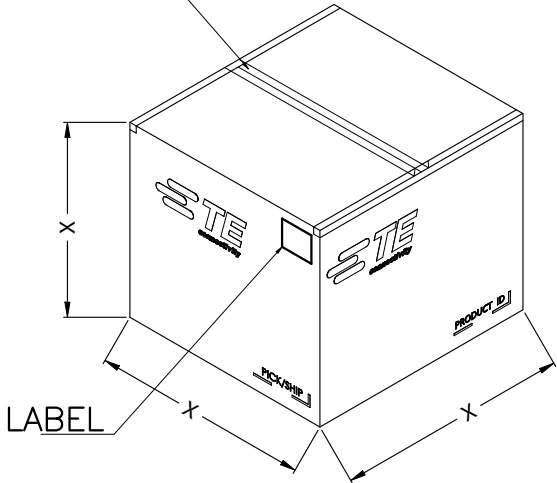
PAD X 2
CORNER GUARD X 4



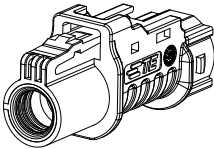
CARTON * 1
SIZE: L X W X H MM

REEL/BOX PACKAGING METHOD.

SEAL THE BOX WITH
ADHESIVE TAPE

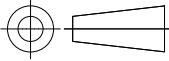


QTY, REFER TO
COMPONENTS TABLE
PACKAGING SPEC & QTY



REFER TO TCPN

BAG/BOX PACKAGING METHOD.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP	23JUNE26	 TE Connectivity Ltd.		
		CHK TP	23JUNE26			
DIMENSIONS: mm		APVD ARAVIND	23JUNE26	NAME MINI-FAKRA JACK 1P STR X-CODE HSG WP		
		PRODUCT SPEC	—	—		
		APPLICATION SPEC	—	—		
MATERIAL SEE TABLE		WEIGHT	0	SIZE A3	CAGE CODE 00779	DRAWING NO C-2545464
		CUSTOMER DRAWING		SCALE 1:1	SHEET 4 OF 4	REV A