

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

RoHS: COMPLIANT.

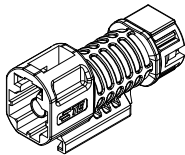
SPECIFICATIONS:
IMPEDANCE: 50Ω
FREQUENCY: DC TO 9GHz

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.
PRODUCT WEIGHT: REFER TO CONNECTOR
CABLE TYPE



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
2545475-1	MINI-FAKRA PLUG 1P STR A-CODE HSG WP	A
2545475-2	MINI-FAKRA PLUG 1P STR B-CODE HSG WP	B
2545475-3	MINI-FAKRA PLUG 1P STR C-CODE HSG WP	C
2545475-4	MINI-FAKRA PLUG 1P STR D-CODE HSG WP	D
2545475-5	MINI-FAKRA PLUG 1P STR E-CODE HSG WP	E
2545475-6	MINI-FAKRA PLUG 1P STR F-CODE HSG WP	F
2545475-7	MINI-FAKRA PLUG 1P STR G-CODE HSG WP	G
2545475-8	MINI-FAKRA PLUG 1P STR H-CODE HSG WP	H
2545475-9	MINI-FAKRA PLUG 1P STR J-CODE HSG WP	J
1-2545475-0	MINI-FAKRA PLUG 1P STR K-CODE HSG WP	K
1-2545475-1	MINI-FAKRA PLUG 1P STR N-CODE HSG WP	N
1-2545475-2	MINI-FAKRA PLUG 1P STR Z-CODE HSG WP	Z

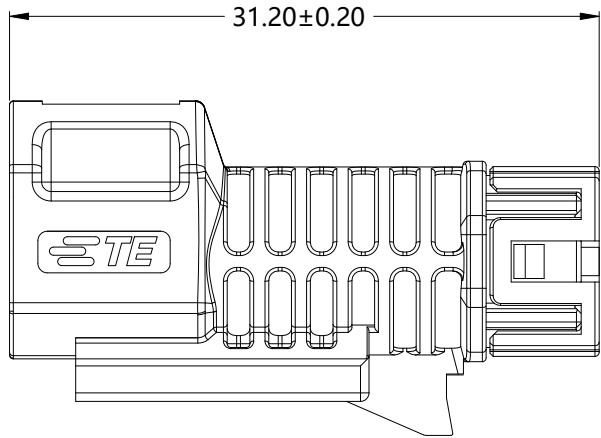
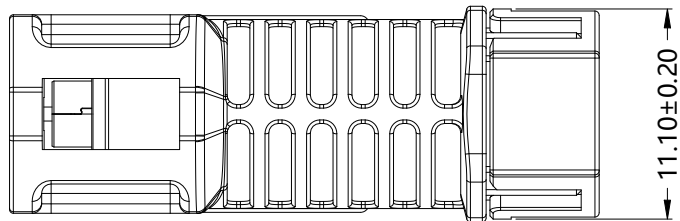
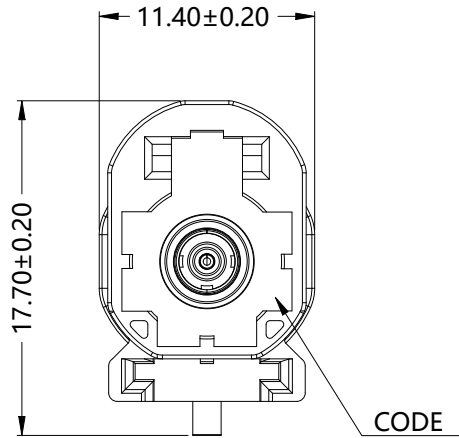
THIS DRAWING IS A CONTROLLED DOCUMENT.

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	24JUNE2026
CHK TP	24JUNE2026
APVD ARAVIND	24JUNE2026
PRODUCT SPEC	-
APPLICATION SPEC	-
WEIGHT	SEE NOTE
CUSTOMER DRAWING	

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	GTP;ECN-26-395384	22JUL2026	TP	AV



NOTES:
FINISH (PLATING THICKNESS IN MICRO-INCHES)

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

BLACK	PA66	UPPER/LOWER COVER	8
NOTE 3	PHOSPHOR BRONZE	TERMINAL	7
NOTE 2	STAINLESS STEEL	CRIMP	6
YELLOW	PBT 15%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

DWN TP	24JUNE2026	 TE Connectivity Ltd.				
CHK TP	24JUNE2026					
APVD ARAVIND	24JUNE2026	NAME				
PRODUCT SPEC		MINI-FAKRA PLUG 1P STR X-CODE HSG WP				
—		—				
APPLICATION SPEC		—				
—						
WEIGHT	SEE NOTE	SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO	
		A3	00779	C-2545475	—	
CUSTOMER DRAWING				SCALE	SHEET	REV
				1:1	1 OF 4	A

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

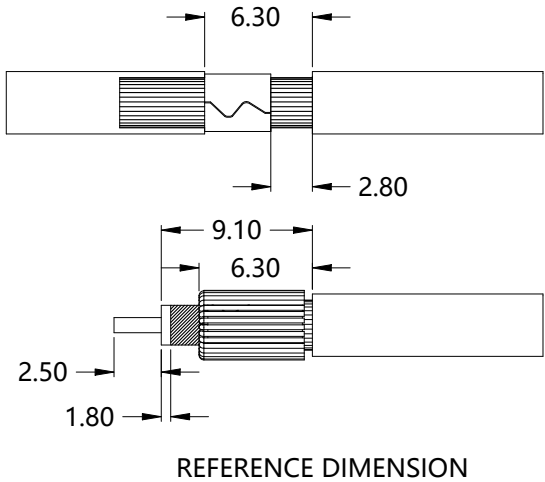
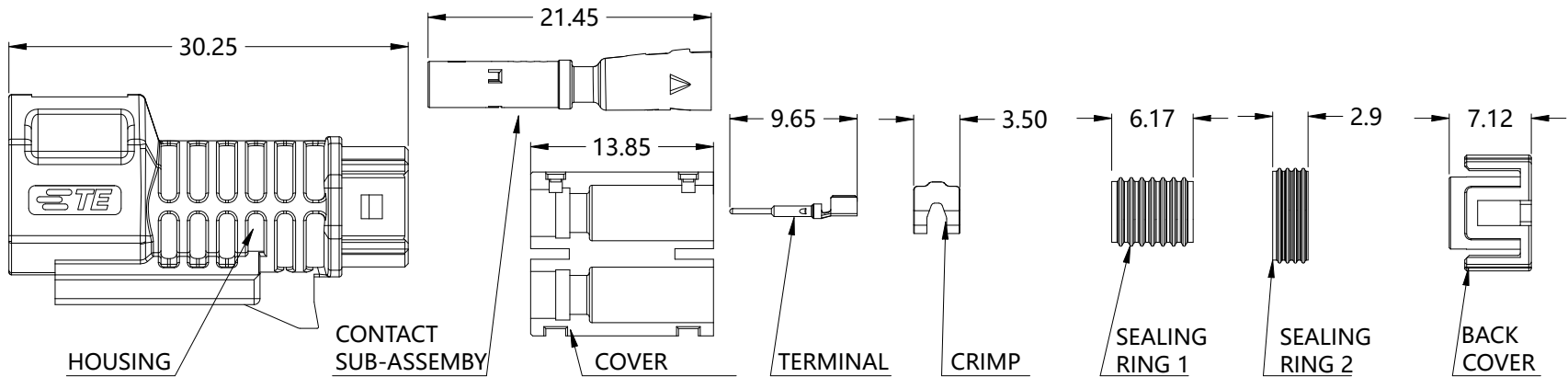
EACH FINISH GOOD COMPONENTS REFER TO PART NUMBER (TCPN) TABLE AS SHOW ON THE DRAWING SHEET 2 & 3.

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:2.64g

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



COMPONENTS TABLE: X-2554575-X FOR CABLE RTK031

TEPN	DESCRIPTION	QPA	PACKAGING SPEC & QTY
X-2545475-X	HOUSING (REFER TO 1ST PAGE CONF-TABLE)	1	500 PCS./BAG , 4000 PCS./BOX.
2554543-1	CONTACT SUB-ASSEMBY	1	1000 PCS./REEL , 8000 PCS./BOX.
2554554-1	COVER (BLACK)	1	2000 PCS./BAG , 4 BAG./BOX.
2554546-1	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 24JUNE2026	TE Connectivity Ltd.		
		CHK TP 24JUNE2026			
DIMENSIONS: mm		APVD ARAVIND 24JUNE2026	NAME MINI-FAKRA JACK 1P STR X-CODE HSG WP		
		PRODUCT SPEC —	—		
		APPLICATION SPEC —	—		
MATERIAL SEE TABLE		WEIGHT 2.64 g	SIZE A3	CAGE CODE 00779	DRAWING NO C-2545475
		FINISH —	RESTRICTED TO —		
CUSTOMER DRAWING			SCALE 1:1	SHEET 2 OF 4	REV A

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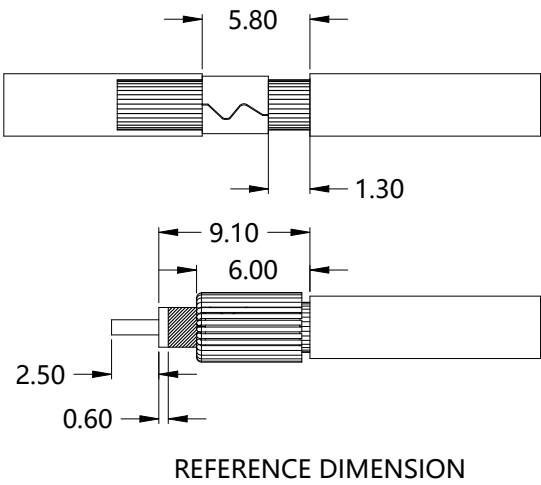
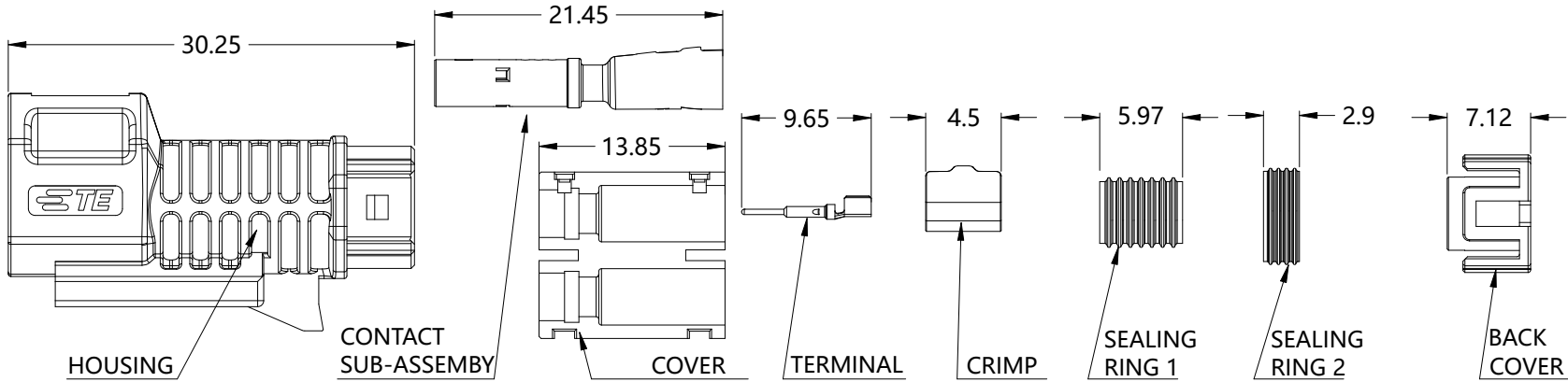
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ASSEMBLY INSTRUCTION REFER TO TE.COM FOR EACH FINISH GOOD PART NUMBERS

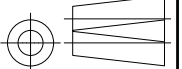
PRODUCT WEIGHT:2.69g

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



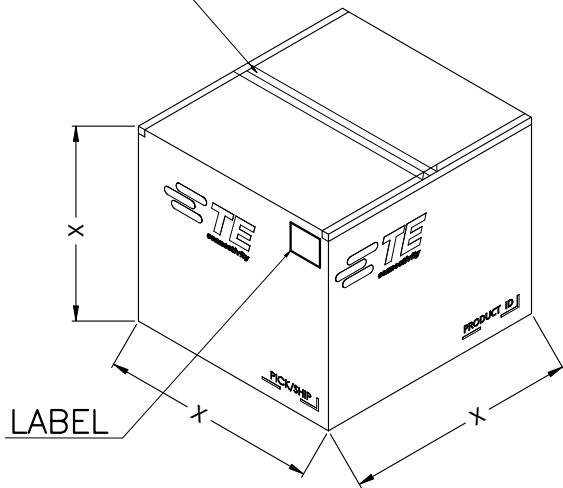
COMPONENTS TABLE: X-2554575-X FOR CABLE RG174

TEPN	DESCRIPTION	QPA	PACKAGING SPEC & QTY
X-2545475-X	HOUSING (REFER TO 1ST PAGE CONF-TABLE)	1	500 PCS./BAG , 4000 PCS./BOX.
2554544-1	CONTACT SUB-ASSEMBY	1	1000 PCS./REEL , 8000 PCS./BOX.
2554554-1	COVER	1	2000 PCS./BAG , 4 BAG./BOX.
2554546-1	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)	1	2000 PCS./BAG , 4 BAG./BOX.

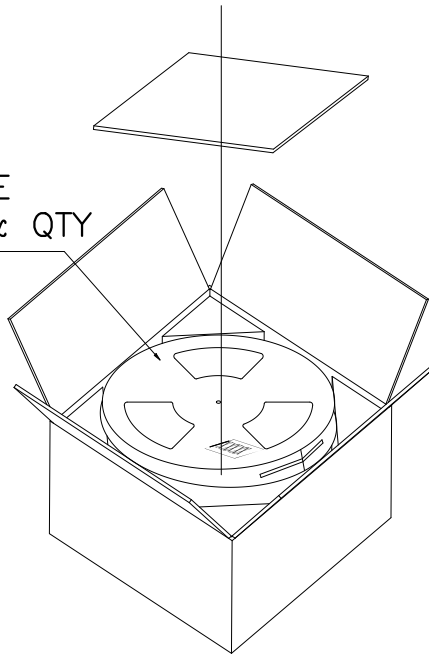
THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP 24JUNE2026	 TE Connectivity Ltd.		
		CHK TP 24JUNE2026			
DIMENSIONS: mm		APVD ARAVIND 24JUNE2026	NAME MINI-FAKRA JACK 1P STR X-CODE HSG WP		
		PRODUCT SPEC —	—		
		APPLICATION SPEC —	—		
MATERIAL SEE TABLE		WEIGHT 2.69 g	SIZE A3	CAGE CODE 00779	DRAWING NO C-2545475
		FINISH —	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

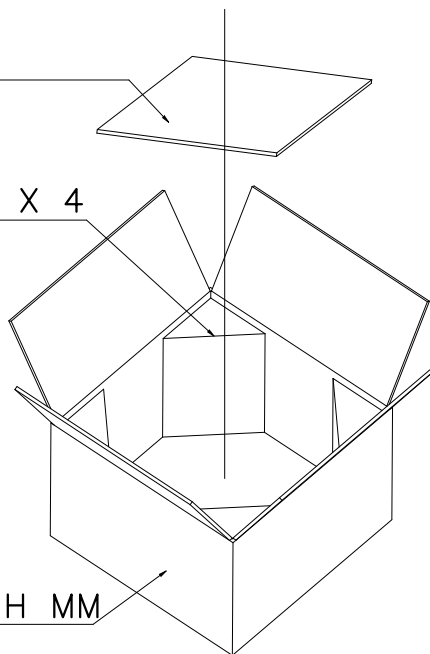


REEL/BOX PACKAGING METHOD.

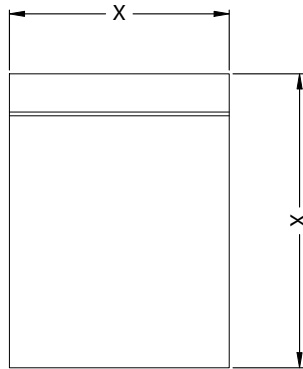
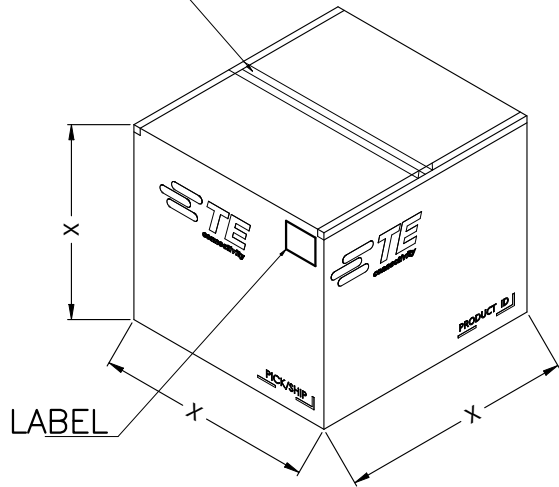
PAD X 2

CORNER GUARD X 4

CARTON * 1
SIZE: L X W X H MM

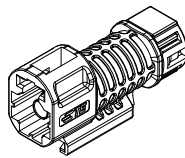


SEAL THE BOX WITH
ADHESIVE TAPE



QTY, REFER TO
COMPONENTS TABLE
PACKAGING SPEC & QTY

BAG/BOX PACKAGING METHOD.



REFER TO TCPN

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP	24JUNE2026	 TE Connectivity Ltd.	
		CHK TP	24JUNE2026		
		APVD ARAVIND	24JUNE2026	NAME MINI-FAKRA JACK 1P STR X-CODE HSG WP	
		PRODUCT SPEC			
		APPLICATION SPEC			
		WEIGHT	0	SIZE A3	CAGE CODE 00779
		CUSTOMER DRAWING		DRAWING NO C-2545475	RESTRICTED TO —
		SCALE	1:1	SHEET	4 OF 4
		REV	A		