

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

RoHS: COMPLIANT.

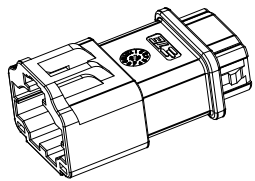
SPECIFICATIONS:
IMPEDANCE: 50Ω
FREQUENCY: DC TO 9GHz
VSWR INSERTION LOSS FEEQUENCY,GHz
<1.25 0.20 @DC 0.01≤ f ≤ 2GHz
<1.45 0.45 2< f ≤ 6 GHz
<1.55 0.50 6< f ≤ 7 GHz
<1.75 0.55 7< f ≤ 9 GHz

SHIELDING
FREQUENCY NEXT LIMIT
2 GHz<f<5GHz ≤-55dB
5 GHz<f<9GHz ≤-50dB

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

MECHANICAL CHARACTERISTICS
MATING CYCLES: ≥25.
ENGAGEMENT FORCE: ≤45 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



CONFIGURATION TABLE

TEPN	DESCRIPTION	CODING
2545476-1	MINI-FAKRA PLUG 2P STR A-CODE HSG WP	A
2545476-2	MINI-FAKRA PLUG 2P STR B-CODE HSG WP	B
2545476-3	MINI-FAKRA PLUG 2P STR C-CODE HSG WP	C
2545476-4	MINI-FAKRA PLUG 2P STR D-CODE HSG WP	D
2545476-5	MINI-FAKRA PLUG 2P STR E-CODE HSG WP	E
2545476-6	MINI-FAKRA PLUG 2P STR F-CODE HSG WP	F
2545476-7	MINI-FAKRA PLUG 2P STR G-CODE HSG WP	G
2545476-8	MINI-FAKRA PLUG 2P STR H-CODE HSG WP	H
2545476-9	MINI-FAKRA PLUG 2P STR J-CODE HSG WP	J
1-2545476-0	MINI-FAKRA PLUG 2P STR K-CODE HSG WP	K
1-2545476-1	MINI-FAKRA PLUG 2P STR N-CODE HSG WP	N
1-2545476-2	MINI-FAKRA PLUG 2P STR Z-CODE HSG WP	Z

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

REVISIONS

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

NOTES:
FINISH (PLATING THICKNESS IN MICRO-INCHES)

1 100 MICROINCHES MIN MATTE TIN PLATED.
(10WT%P) MICROINCHES MIN OVER NICKEL UNDERPLATED.
50 MICROINCHES MIN OVER COPPER UNDERPLATED.

2 50 MICROINCHES MIN NICKEL PLATED.

3 5 MICROINCHES MIN GOLD PLATED.
(10WT%P) MICROINCHES MIN OVER NICKEL UNDERPLATED.
50 MICROINCHES MIN OVER COPPER UNDERPLATED.

NOTE 3	PHOSPHOR BRONZE	TERMINAL	6
NOTE 2	STAINLESS STEEL	CRIMP	5
YELLOW GREEN	PBT 30%GF	BACK COVER	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 25JUN2026		TE Connectivity Ltd.	
CHK TP 25JUN2026			
APVD 25JUN2026		NAME	
ARAVIND		MINI-FAKRA PLUG 2P STR X-CODE HSG WP	
PRODUCT SPEC		-	
APPLICATION SPEC		-	
WEIGHT SEE NOTE		SIZE A3	CAGE CODE 00779
CUSTOMER DRAWING		DRAWING NO. C-2545476	RESTRICTED TO -
SCALE 1:1		SHEET 1 OF 4	REV A

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

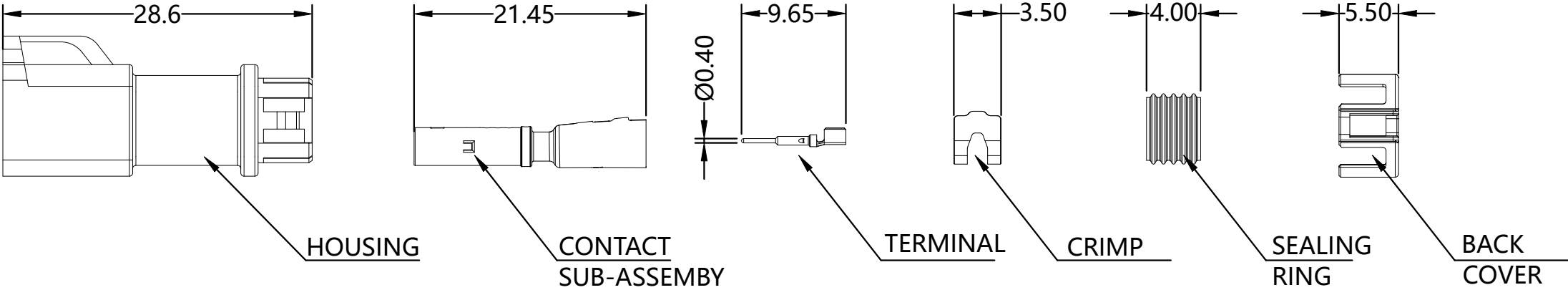
NOTES:
THE FINISH GOODS REQUIRE SEPARATION OF INDIVIDUAL COMPONENTS FOR ASSEMBLY.

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.

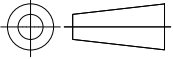
ASSEMBLY INSTRUCTION REFER TO TE.COM FOR EACH FINISH GOOD PART NUMBERS

PRODUCT WEIGHT:5.2g



COMPONENTS TABLE: X-2545476-X FOR CABLE RTK031

TEPN	DESCRIPTION	QPA	PACKAGING SPEC & QTY
X-2545476-X	HOUSING (REFER TO 1ST PAGE CONF-TABLE)	1	500 PCS./BAG , 4000 PCS./BOX.
2554543-1	CONTACT SUB-ASSEMBY	2	1000 PCS./REEL , 8000 PCS./BOX.
2554546-1	TERMINAL	2	4000 PCS./REEL , 24000 PCS./BOX.
2554584-1	CRIMP	2	1500 PCS./REEL , 12000 PCS./BOX.
2554559-1	SEALING RING FOR 2P RTK301 (WHITE)	1	2000 PCS./BAG , 4 BAG./BOX.
2554561-1	BACK COVER 2P (YELLOW)	1	2000 PCS./BAG , 4 BAG./BOX.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP 25JUN2026	 TE Connectivity Ltd.		
		CHK TP 25JUN2026			
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED:	APVD TP 25JUN2026	NAME		
	0 PLC ± -	ARAVIND	MINI-FAKRA PLUG 2P STR X-CODE HSG WP		
	1 PLC ± 0.3	PRODUCT SPEC			
	2 PLC ± 0.2	APPLICATION SPEC			
MATERIAL SEE TABLE	3 PLC ± 0.1	—	SIZE	CAGE CODE	DRAWING NO
	4 PLC ± -	—	—	—	—
	ANGLES ± 5	—	—	—	—
		FINISH	WEIGHT 5.2 g	A300779C-2545476	
		—	CUSTOMER DRAWING		RESTRICTED TO —
			SCALE 1:1	SHEET 2 OF 4	REV A

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

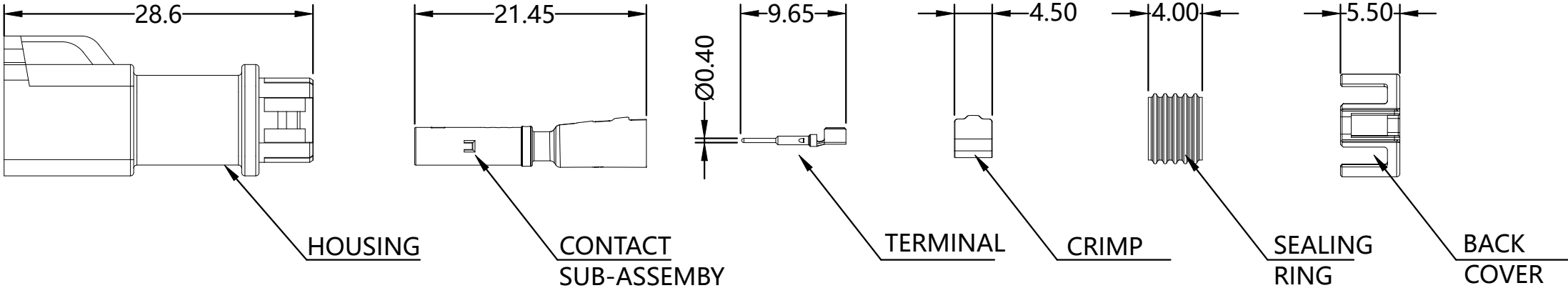
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QTY PER PACKAGING AS SHOW ON THE TABLE, DRAWING SHEET 2 & 3. DETAIL COMPONENTS & PACKAGING SPEC, REFER COMPONENT DRAWING.

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

PRODUCT WEIGHT:4.88g

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



COMPONENTS TABLE: X-2545476-X FOR CABLE RG174

TEPN	DESCRIPTION	QPA	PACKAGING SPEC & QTY
X-2545476-X	HOUSING (REFER TO 1ST PAGE CONF-TABLE)	1	500 PCS./BAG , 4000 PCS./BOX.
2554544-1	CONTACT SUB-ASSEMBLY	2	1000 PCS./REEL , 8000 PCS./BOX.
2554546-1	TERMINAL	2	4000 PCS./REEL , 24000 PCS./BOX.
2554549-1	CRIMP	2	1500 PCS./REEL , 12000 PCS./BOX.
2554560-1	SEALING RING FOR 2P RG174 (RED)	1	2000 PCS./BAG , 4 BAG./BOX.
2554561-1	BACK COVER 2P (YELLOW)	1	2000 PCS./BAG , 4 BAG./BOX.

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:
mm

MATERIAL
SEE TABLE

FINISH
—

DWN
TP
25JUN2026

CHK
TP
25JUN2026

APVD
ARAVIND
25JUN2026

PRODUCT SPEC
—

APPLICATION SPEC
—

WEIGHT
4.88 g

CUSTOMER DRAWING

TE Connectivity Ltd.

NAME
MINI-FAKRA PLUG 2P STR X-CODE HSG WP

SIZE
A3

CAGE CODE
00779

DRAWING NO
C-2545476

RESTRICTED TO
—

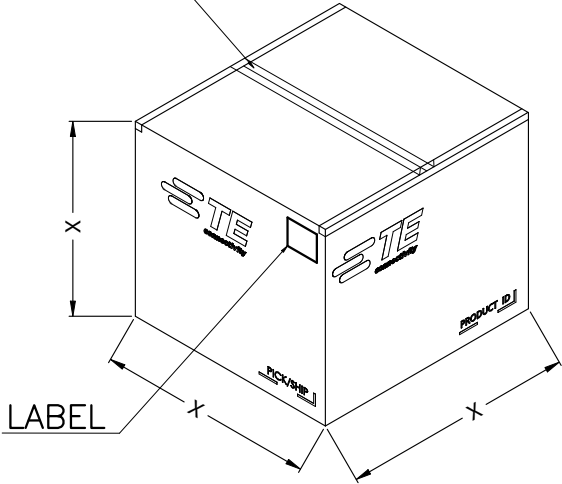
SCALE
1:1

SHEET
3 OF 4

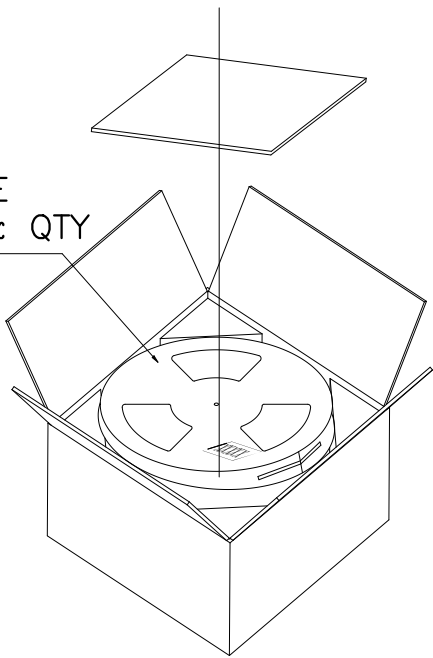
REV
A

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

SEAL THE BOX WITH
ADHESIVE TAPE

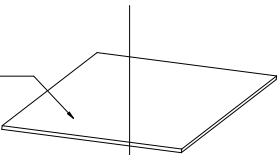


QTY, REFER TO
COMPONENTS TABLE
PACKAGING SPEC & QTY

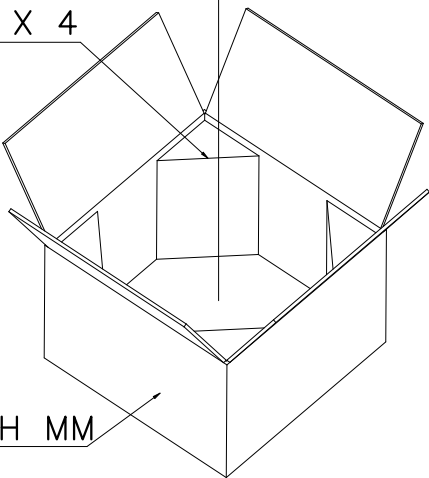


REEL/BOX PACKAGING METHOD.

PAD X 2

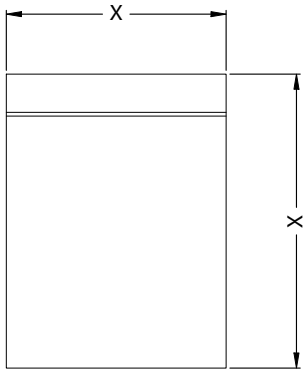
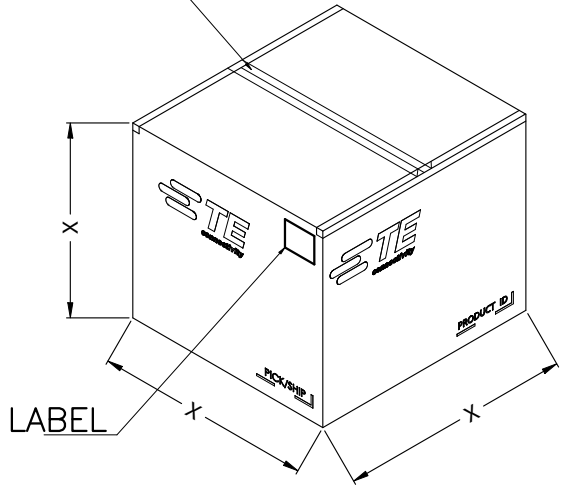


CORNER GUARD X 4



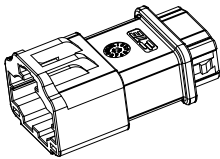
CARTON * 1
SIZE: L X W X H MM

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	25JUN2026	 TE Connectivity Ltd.		
		CHK TP	25JUN2026			
		APVD ARAVIND	25JUN2026	NAME MINI-FAKRA PLUG 2P STR X-CODE HSG WP		
		PRODUCT SPEC				
		APPLICATION SPEC				
		WEIGHT	0	SIZE	CAGE CODE	DRAWING NO
		CUSTOMER DRAWING		A3	00779	C-2545476
		SCALE	1:1	SHEET	4 OF 4	REV
						A