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

RoHS: COMPLIANT.

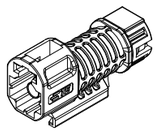
SPECIFICATIONS:
IMPEDANCE: 50Ω
FREQUENCY: DC TO 9GHz

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.

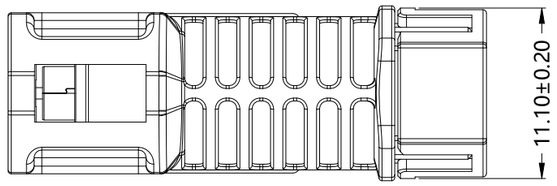
ENVIRONMENTAL PARAMETER
TEMPERATURE RANGE: −40°C TO +105°C.
WATER TIGHTNESS: IP67&IP6K9K.
PRODUCT WEIGHT: REFER TO CONNECTOR CABLE TYPE

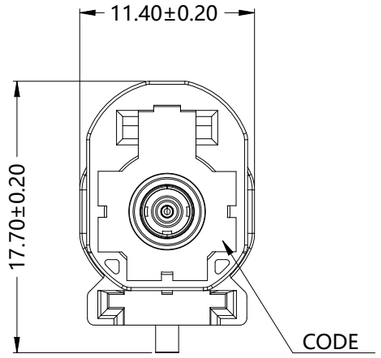


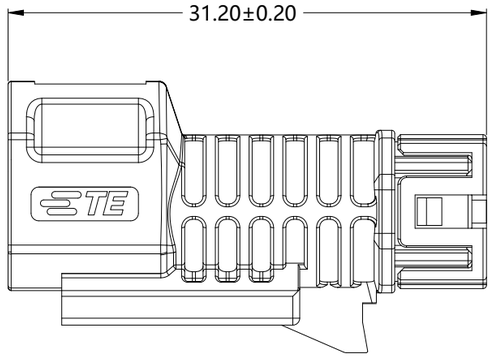
CODING	COLOR
A	JET BLACK
B	CREAM WHITE
C	SIGNAL BLUE
D	CLARET VIOLET
E	LEAF GREEN
F	NUT BROWN
G	BLUE GREY
H	LIGHT PINK
J	BEIGE
K	CURRY
N	PASTEL GREEN
Z	WATER BLUE

REVISIONS

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







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

NOTES:
FINISH (PLATING THICKNESS IN MICRO−INCHES)

1 100 MICROINCHES MIN MATTE TIN PLATED.
(10% NON−MAG) MICROINCHES MIN OVER NICKEL UNDERPLATED.
50 MICROINCHES MIN OVER COPPER UNDERPLATED.
2 50 MICROINCHES MIN NICKEL PLATED.
3 5 MICROINCHES MIN GOLD PLATED.
(10% NON−MAG) MICROINCHES MIN OVER NICKEL UNDERPLATED.
50 MICROINCHES MIN OVER COPPER UNDERPLATED.

FINISH/PLATING/GRADE	MATERIAL	DESCRIPTION	ITEM
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

PARTS LIST

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	

TE Connectivity Ltd.

NAME: MINI−FAKRA PLUG 1P STR X−CODE HSG WP
−
−

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C−2545475	−

CUSTOMER DRAWING | SCALE 1:1 | SHEET 1 OF 4 | REV A

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

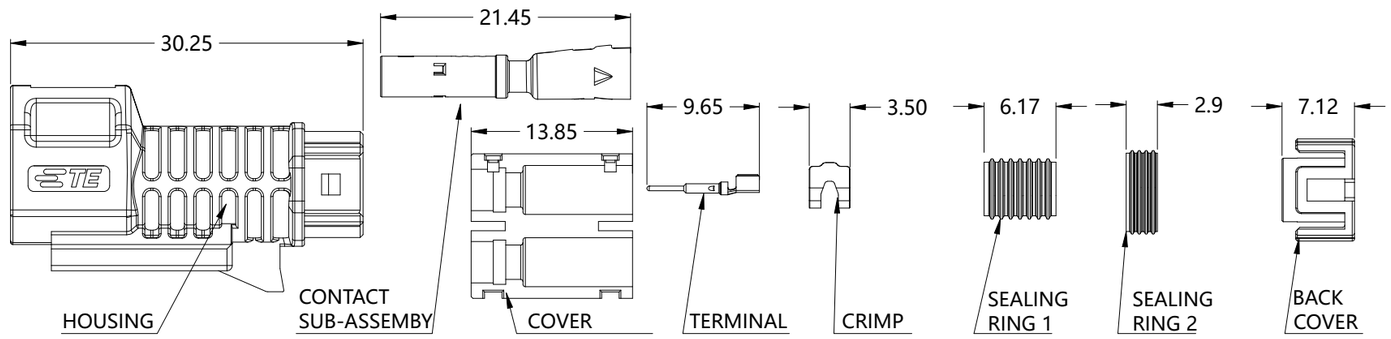
NOTES:
THE FINISH GOODS REQUIRE SEPARATION OF INDIVIDUAL COMPONENTS FOR ASSEMBLY.

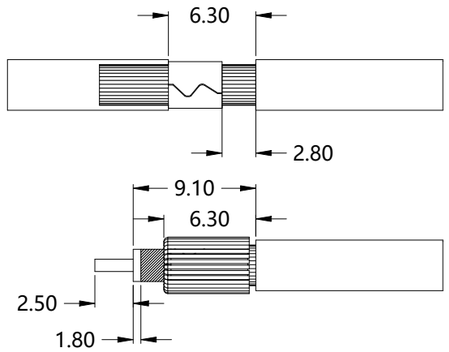
EACH FINISH GOOD COMPONENTS REFER TO PART NUMBER (TCPN) TABLE AS SHOW ON THE DRAWING SHEET 2 & 3.

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:2.64g





REFERENCE DIMENSION

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.

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	2.64 g	

TE Connectivity Ltd.

NAME: MINI-FAKRA JACK 1P STR X-CODE HSG WP
–
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2545475	–

CUSTOMER DRAWING

SCALE	SHEET	REV
1:1	2 OF 4	A

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

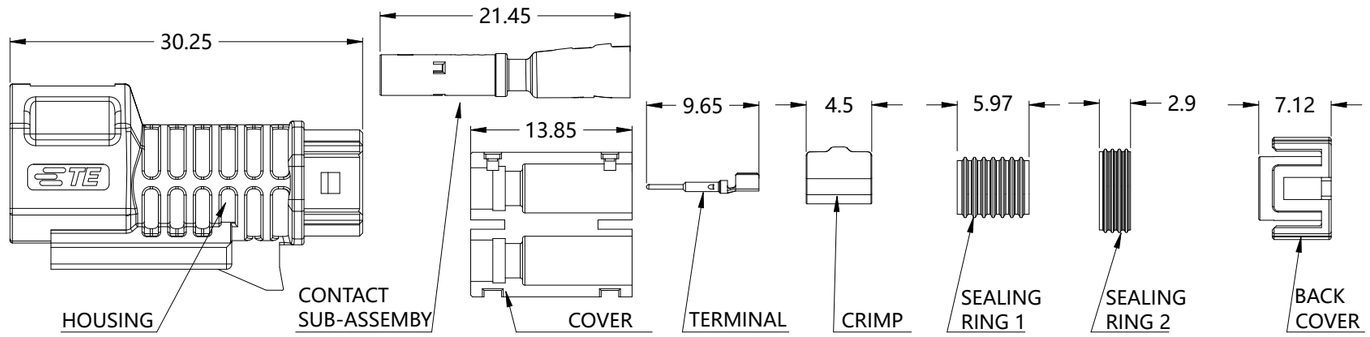
NOTES:
THE FINISH GOODS REQUIRE SEPARATION OF INDIVIDUAL COMPONENTS FOR ASSEMBLY.

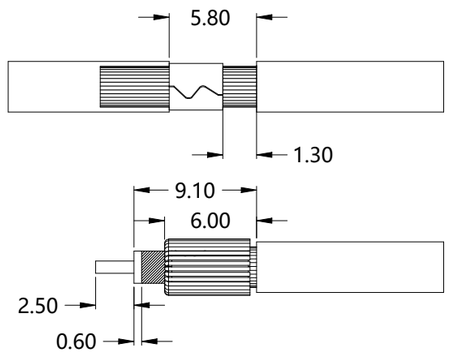
EACH FINISH GOOD COMPONENTS REFER TO PART NUMBER (TCPN) TABLE AS SHOW ON THE DRAWING SHEET 2 & 3.

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:2.69g





REFERENCE DIMENSION

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.

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	2.69 g	

TE Connectivity Ltd.

NAME: MINI–FAKRA JACK 1P STR X–CODE HSG WP
–
–

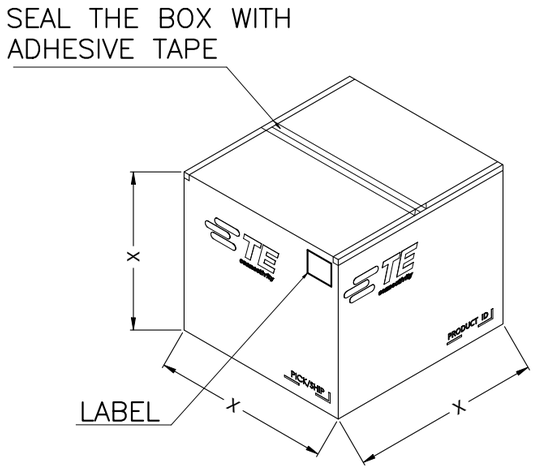
SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C–2545475	—

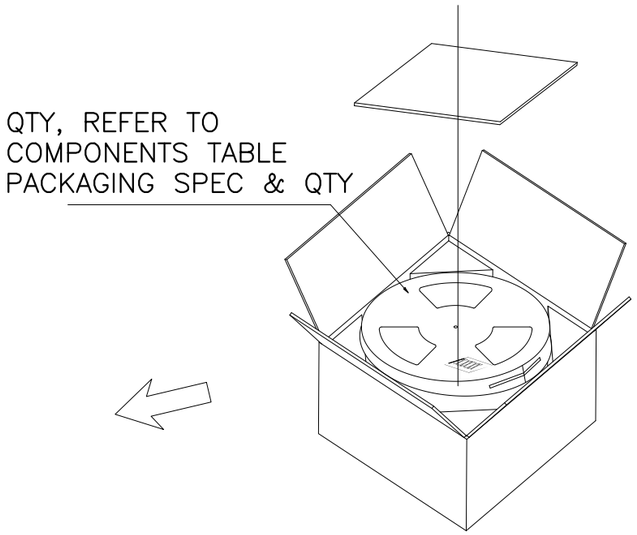
CUSTOMER DRAWING

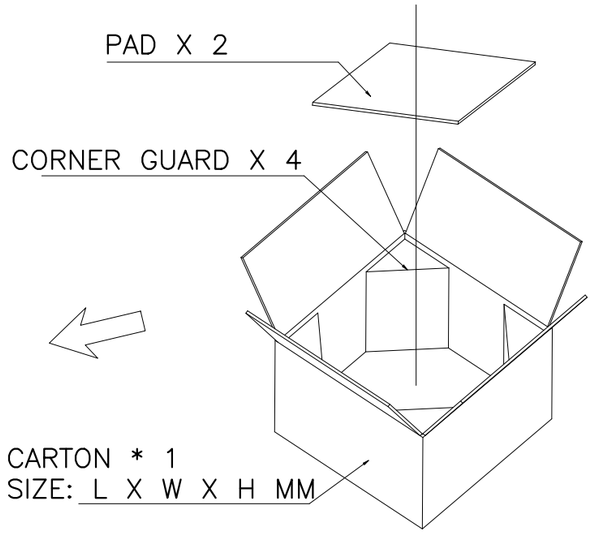
SCALE	SHEET	REV
1:1	3 OF 4	A

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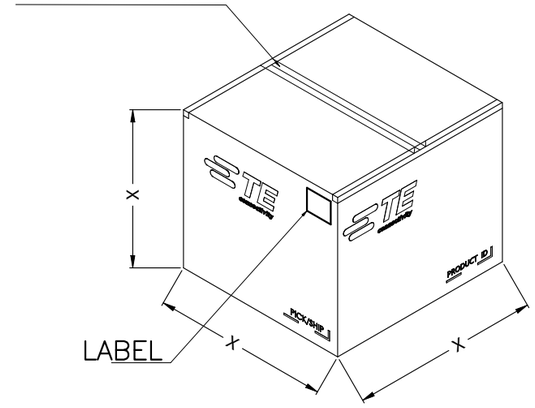
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—

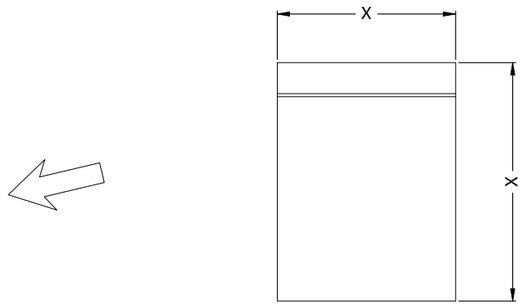


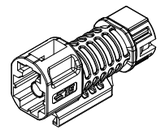




REEL/BOX PACKAGING METHOD.







REFER TO TCPN

BAG/BOX PACKAGING METHOD.

THIS DRAWING IS A CONTROLLED DOCUMENT.		DWN TP 24JUNE2026	TE Connectivity Ltd.
DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± 0.3 ; 2 PLC ± 0.2 ; 3 PLC ± 0.1 ; 4 PLC ± – ; ANGLES ± 5	CHK TP 24JUNE2026	NAME MINI–FAKRA JACK 1P STR X–CODE HSG WP – –
MATERIAL SEE TABLE	FINISH –	APVD ARAVIND 24JUNE2026	SIZE A3 | CAGE CODE 00779 | DRAWING NO C–2545475 | RESTRICTED TO —
		PRODUCT SPEC —	
		APPLICATION SPEC —	
		WEIGHT 0	CUSTOMER DRAWING | SCALE 1:1 | SHEET 4 OF 4 | REV A