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REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	A	GO TO PRODUCTION (ECN-26-399857)	14AUG2026	YS	AM

NOTES:

ALL DIMENSIONS ARE NOMINAL FOR REFERENCE ONLY UNLESS OTHERWISE STATED;

1.ELECTRICAL CHARACTERISTICS:

IMPEDANCE:50 Ω
FREQUENCY:DC-9 GHZ

VSWR: 0~2G: ≤1.25
2~6G: ≤1.45
6~7G: ≤1.55
7~9G: ≤1.75

INSERTION LOSS: < 0.84dB@3.0GHz; < 1.27dB@6.0GHz.
TEST VOLTAGE: 800Vrms.
WORKING VOLTAGE: ≤60V DC.
POWER CURRENT: ≤1A DC.

2.MECHANICAL CHARACTERISTICS:

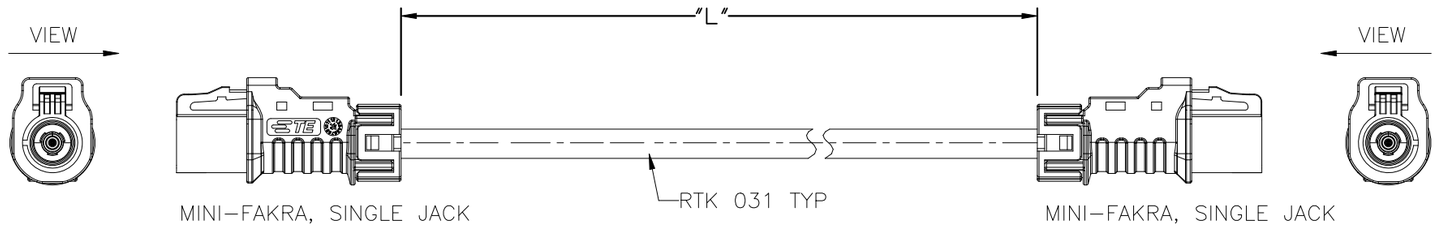
ENDURANCE: > 100 TIMES.
ENVIRONMENTAL SEAL:IP67&IP6K9K.

CABLE RETENTION FORCE: 110N MIN.

3.ENVIRONMENTAL PARAMETER:

TEMPERATURE RANGE: -40°C TO +105°C
RoHS: COMPLIANT.

CABLE ASSEMBLY TO BE 100% TESTED FOR CONTINUITY & HI-POT.



TEPN	DESCRIPTION	L(mm)
2544163-1	MINI-FAKRA SEAL F-F 1P COD A 0.15M RTK 031	150^{+10}_{-5}
2544163-2	MINI-FAKRA SEAL F-F 1P COD B 0.15M RTK 031	150^{+10}_{-5}
2544163-3	MINI-FAKRA SEAL F-F 1P COD C 0.15M RTK 031	150^{+10}_{-5}
2544163-4	MINI-FAKRA SEAL F-F 1P COD D 0.15M RTK 031	150^{+10}_{-5}
2544163-5	MINI-FAKRA SEAL F-F 1P COD E 0.15M RTK 031	150^{+10}_{-5}
2544163-6	MINI-FAKRA SEAL F-F 1P COD F 0.15M RTK 031	150^{+10}_{-5}
2544163-7	MINI-FAKRA SEAL F-F 1P COD G 0.15M RTK 031	150^{+10}_{-5}
2544163-8	MINI-FAKRA SEAL F-F 1P COD H 0.15M RTK 031	150^{+10}_{-5}
2544163-9	MINI-FAKRA SEAL F-F 1P COD J 0.15M RTK 031	150^{+10}_{-5}
1-2544163-0	MINI-FAKRA SEAL F-F 1P COD K 0.15M RTK 031	150^{+10}_{-5}
1-2544163-1	MINI-FAKRA SEAL F-F 1P COD N 0.15M RTK 031	150^{+10}_{-5}
1-2544163-2	MINI-FAKRA SEAL F-F 1P COD Z 0.15M RTK 031	150^{+10}_{-5}

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

NOTES: FINISH (PLATING THICKNESS IN MICRO-INCHES)

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

PLATING	MATERIAL	PART NAME	PART TYPE
NOTE 1	STAINLESS STEEL	CRIMP	CONNECTOR A, B
NOTE 2	PHOSPHOR BRONZE	TERMINAL	
YELLOW GREEN	PBT 30%GF	BACK COVER	
RED	SILICONE RUBBER	SEALING RING	
RED	SILICONE RUBBER	SEALING RING	
BLACK	PBT 30%GF	UPPER COVER	
BLACK	PBT 30%GF	LOWER COVER	
NOTE 3	PHOSPHOR BRONZE	CONTACT SUB-ASSEMBY	
RED	PA66 30% GF, SILICONE	HOUSING	

–	–	–	–	–	–	–	–	–	–	–	–	mm	/	RTK 031 TYP (BLACK)	2
2	2	2	2	2	2	2	2	2	2	2	2	PC	/	MINI-FAKRA, SINGLE JACK – CONNECTOR	1
1-2	1-1	1-0	-9	-8	-7	-6	-5	-4	-3	-2	-1	U/N	TEPN	DESCRIPTION	ITEM
QUANTITY PER ASSY														PARTS LIST	

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± 1
2 PLC ± 2
3 PLC ± 5
4 PLC ± –
ANGLES ± 10

MATERIAL –

FINISH –

DWN SARGUNAM, YAZHINI 11AUG2026
CHK CHEE, TSHUPIN 11AUG2026
APVD MANJUNATHA, ARAVIND 11AUG2026
PRODUCT SPEC –
APPLICATION SPEC –
WEIGHT –

TE Connectivity Ltd.

NAME
Mini-fakra Seal F-F 1P 0.15M RTK 031
–
–

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C-2544163	–

CUSTOMER DRAWING

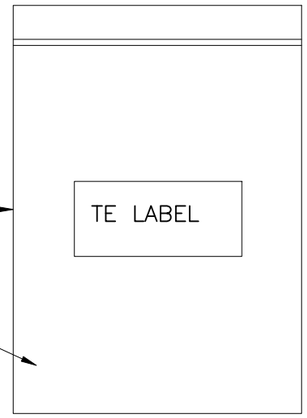
SCALE 1:1 SHEET 1 OF 2 REV A

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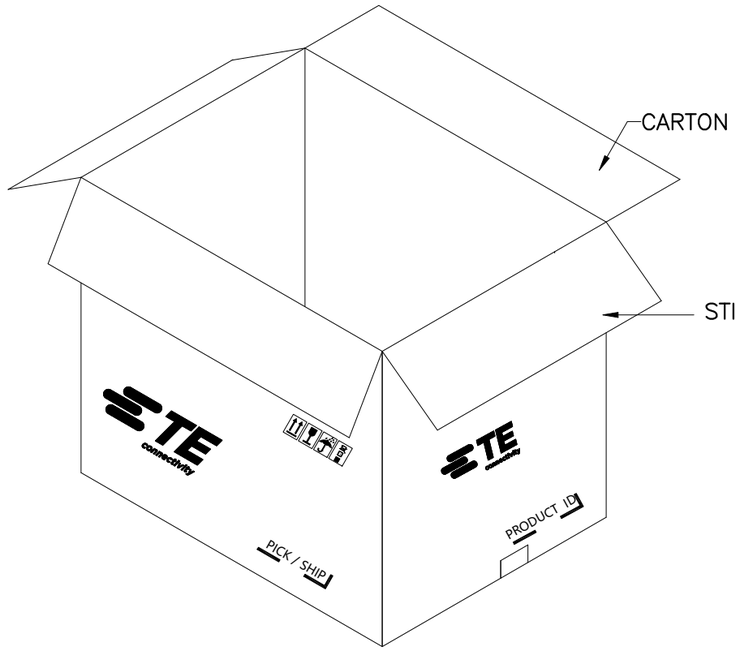
REVISIONS					
P	LTR	DESCRIPTION	DATE	DWN	APVD
	–	SEE SHEET 1	–	—	—





NOTE:
1. PACKAGE QUANTITY:
   X–2544163–X: 25PCS/BAG, 10BAG/CARTON, TOTAL: 250PCS/CARTON;

2. NET WEIGHT, GROSS WEIGHT:
   X–2544163–X : 8.45g/PCS, 3113g/CARTON;



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DIMENSIONS: mm	TOLERANCES UNLESS OTHERWISE SPECIFIED: 0 PLC ± – ; 1 PLC ± 1 ; 2 PLC ± 2 ; 3 PLC ± 5 ; 4 PLC ± – ; ANGLES ± 10
MATERIAL –	FINISH –

DWN	11AUG2026 SARGUNAM, YAZHINI
CHK	11AUG2026 CHEE, TSHUPIN
APVD	11AUG2026 MANJUNATHA, ARAVIND
PRODUCT SPEC	—
APPLICATION SPEC	—
WEIGHT	–

TE Connectivity Ltd.

NAME
Mini–fakra Seal F–F 1P 0.15M RTK 031
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SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A3	00779	C–2544163	—

CUSTOMER DRAWING

SCALE	SHEET	REV
1:1	2 OF 2	A

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