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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.

TEPNDESCRIPTIONL(mm)

2544163-1MINI-FAKRA SEAL F-F 1P COD A 0.15M RTK 031150±¹⁰₅

2544163-2MINI-FAKRA SEAL F-F 1P COD B 0.15M RTK 031150±¹⁰₅

2544163-3MINI-FAKRA SEAL F-F 1P COD C 0.15M RTK 031150±¹⁰₅

2544163-4MINI-FAKRA SEAL F-F 1P COD D 0.15M RTK 031150±¹⁰₅

2544163-5MINI-FAKRA SEAL F-F 1P COD E 0.15M RTK 031150±¹⁰₅

2544163-6MINI-FAKRA SEAL F-F 1P COD F 0.15M RTK 031150±¹⁰₅

2544163-7MINI-FAKRA SEAL F-F 1P COD G 0.15M RTK 031150±¹⁰₅

2544163-8MINI-FAKRA SEAL F-F 1P COD H 0.15M RTK 031150±¹⁰₅

2544163-9MINI-FAKRA SEAL F-F 1P COD J 0.15M RTK 031150±¹⁰₅

1-2544163-0MINI-FAKRA SEAL F-F 1P COD K 0.15M RTK 031150±¹⁰₅

1-2544163-1MINI-FAKRA SEAL F-F 1P COD N 0.15M RTK 031150±¹⁰₅

1-2544163-2MINI-FAKRA SEAL F-F 1P COD Z 0.15M RTK 031150±¹⁰₅

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

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS:

mm

0 PLC± -

1 PLC± 1

2 PLC± 2

3 PLC± 5

4 PLC± -

ANGLES± 10

MATERIAL-

FINISH-

DWN11AUG2026SARGUNAM, YAZHINI

CHK11AUG2026CHEE, TSHUPIN

APVD11AUG2026MANJUNATHA, ARAVIND

PRODUCT SPEC-

APPLICATION SPEC-

WEIGHT-

NAMEMini-fakra Seal F-F 1P 0.15M RTK 031

SIZEA3

CAGE CODE00779

DRAWING NOC-2544163

CUSTOMER DRAWING

SCALE1:1

SHEET1 OF 2

REV A

REVISIONS

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

VIEW

MINI-FAKRA, SINGLE JACK

RTK 031 TYP

MINI-FAKRA, SINGLE JACK

VIEW

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.

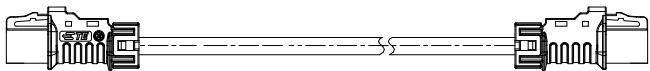
3. 100 MICROINCHES MIN MATTE TIN PLATED. (10%NON MAG) MICROINCHES MIN OVER NICKEL UNDERPLATED, 50 MICROINCHES MIN OVER COPPER UNDERPLATED.

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	

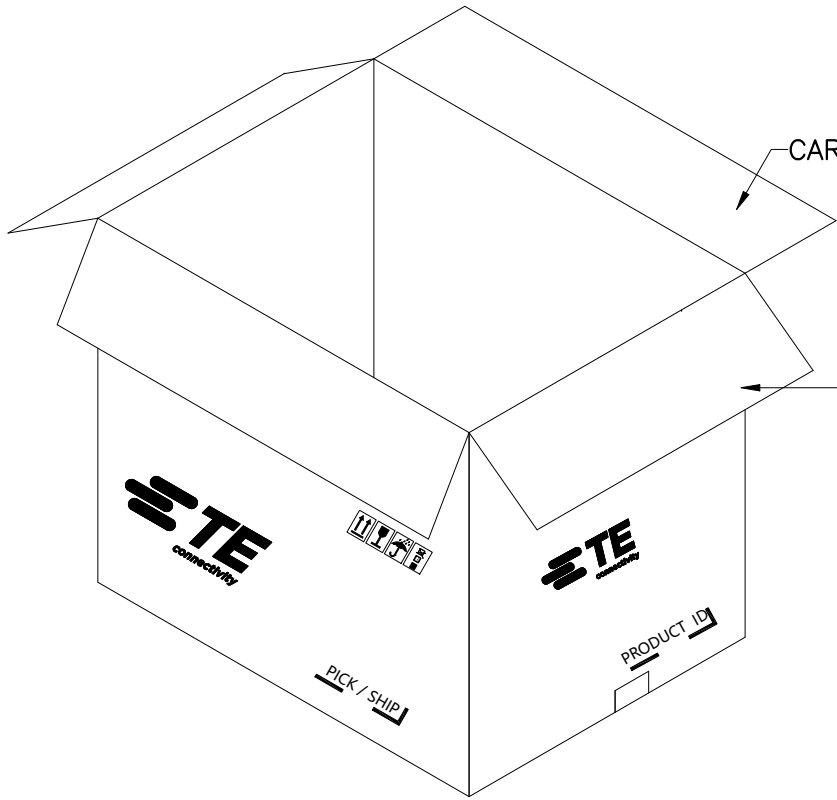
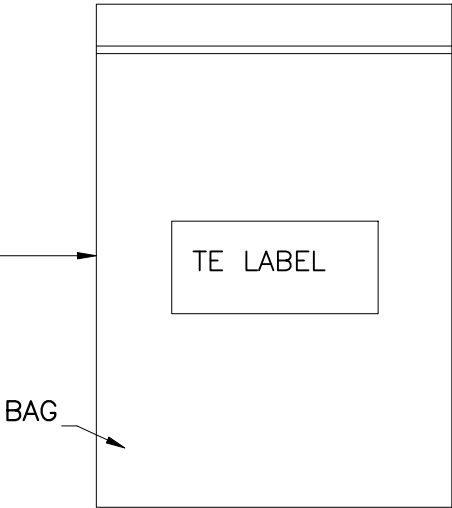
-	-	-	-	-	-	-	-	-	-	-	-	-	mm	/	RTK 031 TYP (BLACK)	2
2	2	2	2	2	2	2	2	2	2	2	2	2	PC	/	MINI-FAKRA, SINGLE JACK - CONNECTOR	1
1-2	1-1	1-0	-9	-8	-7	-6	-5	-4	-3	-2	-1	U/N	TEPN		DESCRIPTION	ITEM
QUANTITY PER ASSY														PARTS LIST		

1470-19 (1/15)

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



STICK A LABEL ON THE BAG



CARTON

STICK A LABEL ON THE CARTON.

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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		CHK 11AUG2026 CHEE, TSHUPIN			
		APVD 11AUG2026 MANJUNATHA, ARAVIND	NAME Mini-fakra Seal F-F 1P 0.15M RTK 031		
		PRODUCT SPEC —			
		APPLICATION SPEC —			
		WEIGHT —	SIZE A3	CAGE CODE 00779	RESTRICTED TO —
		CUSTOMER DRAWING			
		SCALE 1:1			
		SHEET 2 OF 2			
		REV A			