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5492642-2 Product Details

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5492642-2

TE Internal Number: 5492642-2

✔ Active

ST Connectors

🍃 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:
- Connector
- Fiber Optic Connector Type = LIGHTCRIMP PLUS Simplex
- Epoxyless
- Pre-Polished
- Multimode

View all Features

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Documentation & Additional Information

Product Drawings:
- CONNECTOR KIT, LightCrimp Plus, ST STYLE CERAMIC, 62... (PDF, English)

Catalog Pages/Data Sheets:
- Fiber Optic Catalog - Fiber Optic Products (PDF, English)
- Enterprise Networks EMEA Product Catalog (PDF, English)
- LightCrimp Plus Connectors (PDF, English)

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- Fiber Optic Cleaver 1871696-1 (PDF, English)
- Cleave Tool 492674-1 (PDF, English)
- LightCrimp Plus ST Fiber Optic Connector Kits (PDF, English)

CAD Files:
- None Available

Related Products:
- Tooling

List all Documents

Product Features (Please use the Product Drawing for all design activity)

Product Type Features:
- Product Type = Connector
- Fiber Optic Connector Type = LIGHTCRIMP PLUS Simplex
- Coupling Nut Material = Zinc
- Sleeve Style = Stepped
- Sleeve Material = Copper
- Sleeve Finish = Nickel

Electrical Characteristics:
- Insertion Loss (dB) = 0.20

Termination Features:
- Fiber Type (Micron) = OM1 62.5/125

Dimensions:
- Cable Diameter (Max.) (mm [in]) = 3.00 [0.118]

Body Features:
- Epoxyless = Yes
- Pre-Polished = Yes
- Ferrule Hole Size (µm) = 125
- Boot Type = Bend Limiting
- Boot Color = Beige
- Body Material = Aluminum
- Ferrule Material = Ceramic
- Boot Material = Thermoplastic Elastomer
- Body Plating = Nickel

Configuration Features:
- Mode = Multimode

Industry Standards:
- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- RoHS/ELV Compliance History = Always was RoHS compliant

Identification Marking:
- AMP Logo = With

Packaging Features:
- Packaging Method = Individual Kit
- Packaging Quantity = 200

Product Availability:
- Region = Asia, EMEA, North America, Australia/New Zealand

Other:
- Brand = TE Connectivity
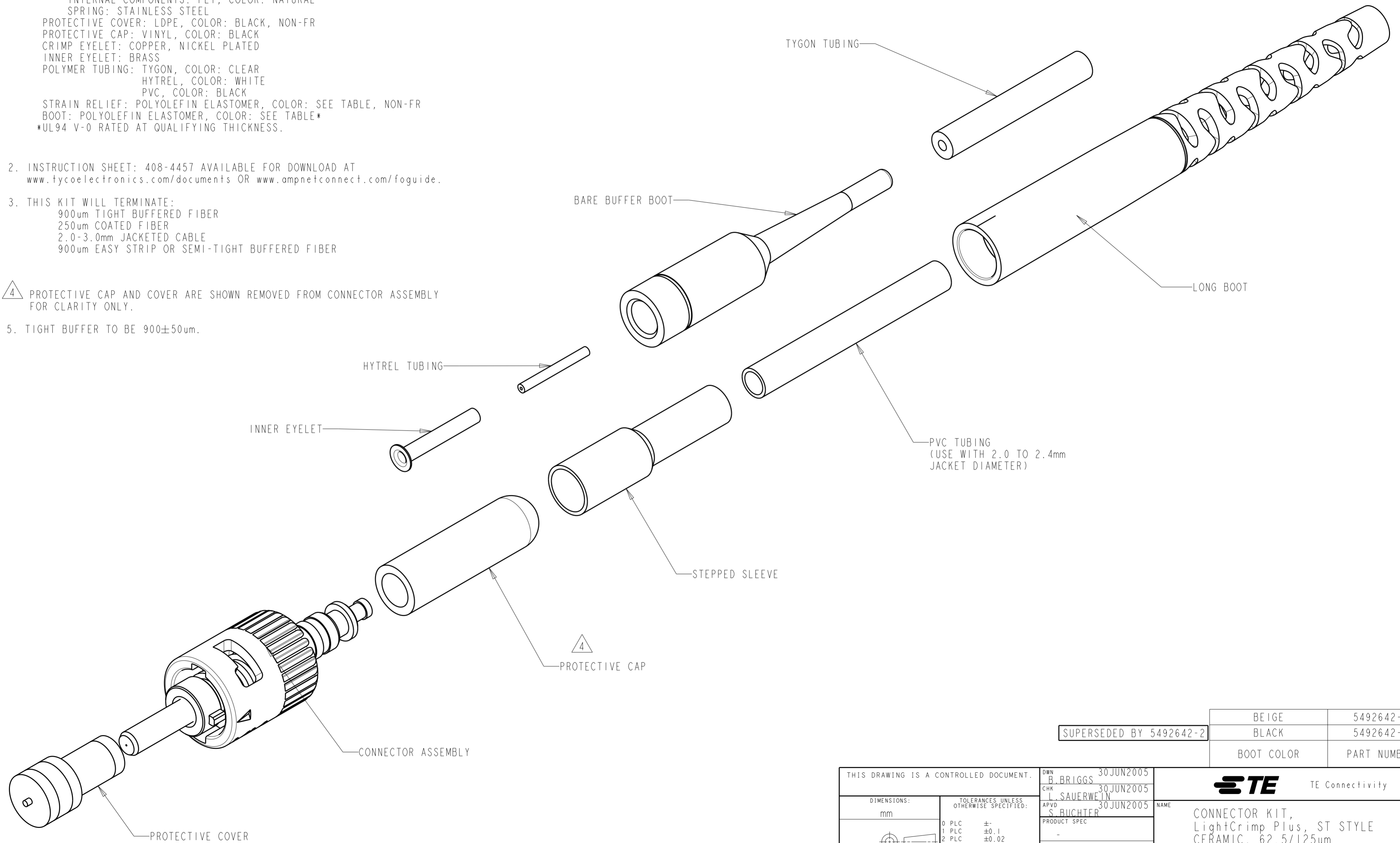- Proprietary Name = LIGHTCRIMP PLUS

LOC CE   DIST 00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	D2	REVISED PER ECO-13-003766	04MAR2013	JM	TE

⚠ 1. MATERIAL:
    CONNECTOR ASSY
      REAR BODY: ALUMINUM ALLOY
      PLUNGER: ALUMINUM ALLOY
      FERRULE: CERAMIC
      COUPLING NUT: ZINC, NICKEL PLATED
      INTERNAL COMPONENTS: PEI, COLOR: NATURAL
      SPRING: STAINLESS STEEL
    PROTECTIVE COVER: LDPE, COLOR: BLACK, NON-FR
    PROTECTIVE CAP: VINYL, COLOR: BLACK
    CRIMP EYELET: COPPER, NICKEL PLATED
    INNER EYELET: BRASS
    POLYMER TUBING: TYGON, COLOR: CLEAR
                HYTREL, COLOR: WHITE
                PVC, COLOR: BLACK
    STRAIN RELIEF: POLYOLEFIN ELASTOMER, COLOR: SEE TABLE, NON-FR
    BOOT: POLYOLEFIN ELASTOMER, COLOR: SEE TABLE*
    *UL94 V-0 RATED AT QUALIFYING THICKNESS.

2. INSTRUCTION SHEET: 408-4457 AVAILABLE FOR DOWNLOAD AT
    www.tycoelectronics.com/documents OR www.ampnetconnect.com/foguide.

3. THIS KIT WILL TERMINATE:
    900um TIGHT BUFFERED FIBER
    250um COATED FIBER
    2.0-3.0mm JACKETED CABLE
    900um EASY STRIP OR SEMI-TIGHT BUFFERED FIBER

⚠4 PROTECTIVE CAP AND COVER ARE SHOWN REMOVED FROM CONNECTOR ASSEMBLY
    FOR CLARITY ONLY.

5. TIGHT BUFFER TO BE 900±50um.

TYGON TUBING

BARE BUFFER BOOT

LONG BOOT

HYTREL TUBING

INNER EYELET

PVC TUBING
(USE WITH 2.0 TO 2.4mm
JACKET DIAMETER)

STEPPED SLEEVE

⚠4 PROTECTIVE CAP

CONNECTOR ASSEMBLY

PROTECTIVE COVER

⚠4

BOOT COLOR	PART NUMBER
BEIGE	5492642-2
BLACK	5492642-1

SUPERSEDED BY 5492642-2

THIS DRAWING IS A CONTROLLED DOCUMENT.

DWN B.BRIGGS 30JUN2005
CHK L.SAUERWEIN 30JUN2005
APVD S.BUCHTER 30JUN2005

DIMENSIONS: mm

TOLERANCES UNLESS OTHERWISE SPECIFIED:
0 PLC   ±-
1 PLC   ±0.1
2 PLC   ±0.02
3 PLC   ±0.005
4 PLC   ±0.0005
ANGLES   ±-

≡TE   TE Connectivity

NAME
CONNECTOR KIT,
LightCrimp Plus, ST STYLE
CERAMIC, 62.5/125um

PRODUCT SPEC -
APPLICATION SPEC -
WEIGHT -

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C=5492642	-

MATERIAL ⚠1

CUSTOMER DRAWING

SCALE 4:1   SHEET OF   REV D2