

Gigabit Ethernet, Ultra-High Power over Ethernet (PoE++) Surge Protection Kit, 100ft Cat 6A Span, 2x 7ft Cat 6A Jumpers

UHPSPK100

Transtector UHPOE surge protection kits combine the innovation and expertise of Transtector surge protection with the reliability of L-com cabling. This complete solution is engineered to ensure uninterrupted data transmission in high-power PoE applications.



Features

- All elements tested and certified for data throughput as a system
- Gigabit Ethernet (Category 5e/6, 10/100/1000), PoE++ Compatible (802.3af, 802.3at & 802.3bt)
- Advanced Hybrid Silicon Avalanche Diode (SASD), Gas Discharge Tube (GDT) Surge Protection
- Patented Weatherized Wiring Grommet (ALPU Fit)
- Corrosion Protection (ALPU Fit)
- Pole or Wall Mount (ALPU Fit)



Features

- Shielded RJ-45 All Connections
- 100' Cat6A Span Cable: Shielded (F/UTP) 23AWG Solid Construction, PE Outdoor Direct Burial rated Jacket with CMX UL Burn rating, Wired per TIA/EIA 568B, Color: Black
- 2x 7' Cat6A Jumper Cables: Double Shielded (SF/UTP) 26AWG Stranded Construction, High Flex Rated TPE Indoor/Outdoor Jacket with CMX UL Burn rating, Wired per TIA/EIA 568B, Color: Teal
- All components included in kit warranted

Applications

- Intelligent Traffic Systems
- Security Cameras
- IP Radios
- Internet Access Points
- Industrial Automation
- IT & Data Centers
- ATMS, Vending Machines

Description

Ultra-High Power over Ethernet (UHPOE) surge protection (also known as SPD or lightning protector) kit UHPSPK100 from Transtector, provides a solution in a box for the deployment of an outdoor Gigabit Ethernet, IEEE 802.3bt Power over Ethernet (PoE++) communication link between a PoE enabled PSE (power sourcing equipment) and a PD (powered device). Transtector SPDs that utilize state of the art hybrid SASD, GDT technology are provided to protect the equipment at each end of the link, while remaining transparent to data throughput. These surge protectors provide effective protection against electrical transient surges that are generated by lightning, and support long-term system reliability by safely shunting high amounts of transient energy while maintaining a very low clamping voltage. L-Com high-performance Cat6A twisted pair cables are provided to connect each surge protector to the equipment, as well as the span between the PSE and the PD. Transtector UHPOE surge protection kits are available in stock with same day shipping.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications:
[Gigabit Ethernet, Ultra-High Power over Ethernet \(PoE++\) Surge Protection Kit, 100ft Cat 6A Span, 2x 7ft Cat 6A Jumpers UHPSPK100](#)

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Electrical Specifications

Description	Minimum	Typical	Maximum	Units
Data Protocols		Gigabit Ethernet (1000Base-T)		
Power over Ethernet Protocols		PoE++ (IEEE 802.3bt)		
Voltage Rating (DC)			60	Vdc
PoE Power			100	W

Surge Protection Specifications

Description	Minimum	Typical	Maximum	Units
Surge Protection Technology		SASD, GDT		
Protected Pins		[1,2], [3,6], [4,5], [7,8], [S]		
Protection Modes		L-G, L-L, S-G		
8/20µs Surge Current				
L-G			2	kA
L-L			0.1	kA
S-G			20	kA
Response Time			5	ns

Twisted Pair Cable

	Span Cable	Jumper Cable
Category Rating	Category 6A	Category 6A
Data Rate	10/100/1000/10000	10/100/1000/10000
Shielding	F/UTP	SF/UTP
Jacket Material	LLDPE	FR-TPE
Burn Rating	CMX	CMX

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Color	Black	Teal
Length	100 ft	7 ft
Wire Construction	#23 Solid AWG	#26 AWG
Voltage Rating	60 Volts	300 Volts
Flex Rating	Direct Burial	High-Flex

Mechanical Specifications

Weight 6.5 lbs [2.95 kg]

Environmental Specifications

Operating Temperature -40 to +65 deg C
 Storage Temperature -40 to +75 deg C

Environmental Protection Rating IP65
 Humidity 99% (non-condensing)

Installation

Kit Contents:

- DPR-F140: Indoor GbE/PoE++ SPD
- ALPU-F140: Outdoor GbE/PoE++ SPD
- ALPU-FIT-KIT: ALPU Fit Mounting Kit
- 3320-1349: Ground Wire, #12 AWG, 35"
- TRD695AODS-100: Outdoor Cat6A Span Cable
- TRD695AHF-7: Indoor/Outdoor Cat6A Jumper Cable
- 1200-608: Installation Instruction Sheet

Compliance Certifications

RoHS Compliant Yes
 CE Compliant Yes
 UL Compliant Yes
 Certifications UL 497B
 EN/IEC 60950-1

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Transtector Systems specializes in protection of highly sensitive, low voltage equipment through its patented, non-degrading silicon diode technology and custom filters. Our power quality expertise translates into a diverse product offering including AC, DC, and signal applications as well as integrated cabinets, power distribution panels and EMP hardened devices.

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The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Transtector reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Transtector does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Transtector does not assume any liability arising out of the use of any part or documentation.

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UHPSPK100 CAD Drawing

KIT PART NUMBER:	UHPSPK100		
KIT DESCRIPTION:	ULTRA-HIGH PoE SURGE PROTECTION KIT, 100 FT SPAN CABLE		
QUANTITY	PART NUMBER	BRAND	DESCRIPTION
1	ALPU-F140	TRANSTECTOR	OUTDOOR GbE/PoE++ SPD
1	DPR-F140	TRANSTECTOR	INDOOR GbE/PoE++ SPD
1	ALPU-FIT-KIT	TRANSTECTOR	ALPU FIT MOUNTING KIT
1	3320-1349	TRANSTECTOR	GROUND WIRE, #10 AWG, 35", GREEN
1	TRD695AODS-100	L-COM	OUTDOOR CAT6A SPAN CABLE
2	TRD695AHF-7	L-COM	INDOOR/OUTDOOR CAT6A JUMPER CABLE
1	1200-608	TRANSTECTOR	INSTALLATION INSTRUCTION SHEET

UNLESS OTHERWISE SPECIFIED
LEADING DIMENSIONS ARE IN INCHES
DIMENSIONS IN [] ARE MILLIMETERS

TOLERANCES:
.X±.2 [5.08] FRACTIONS
.XX±.01 [.25] ANGLES ±1°
.XXX±.005 [.13]

ALL DIMENSIONS SHOWN
ARE FOR REFERENCE ONLY.

THIRD-ANGLE PROJECTION





TRANSTECTOR
an INFINITI brand

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Phone: 1.208.635.6400 | 1.800.882.9110
Fax: 1.208.955.2041
www.transtector.com | e-mail: sales@transtector.com

SIZE: A CAGE: 30992 DRAWN BY: DFRISIELLO PART NUMBER: UHPSPK100

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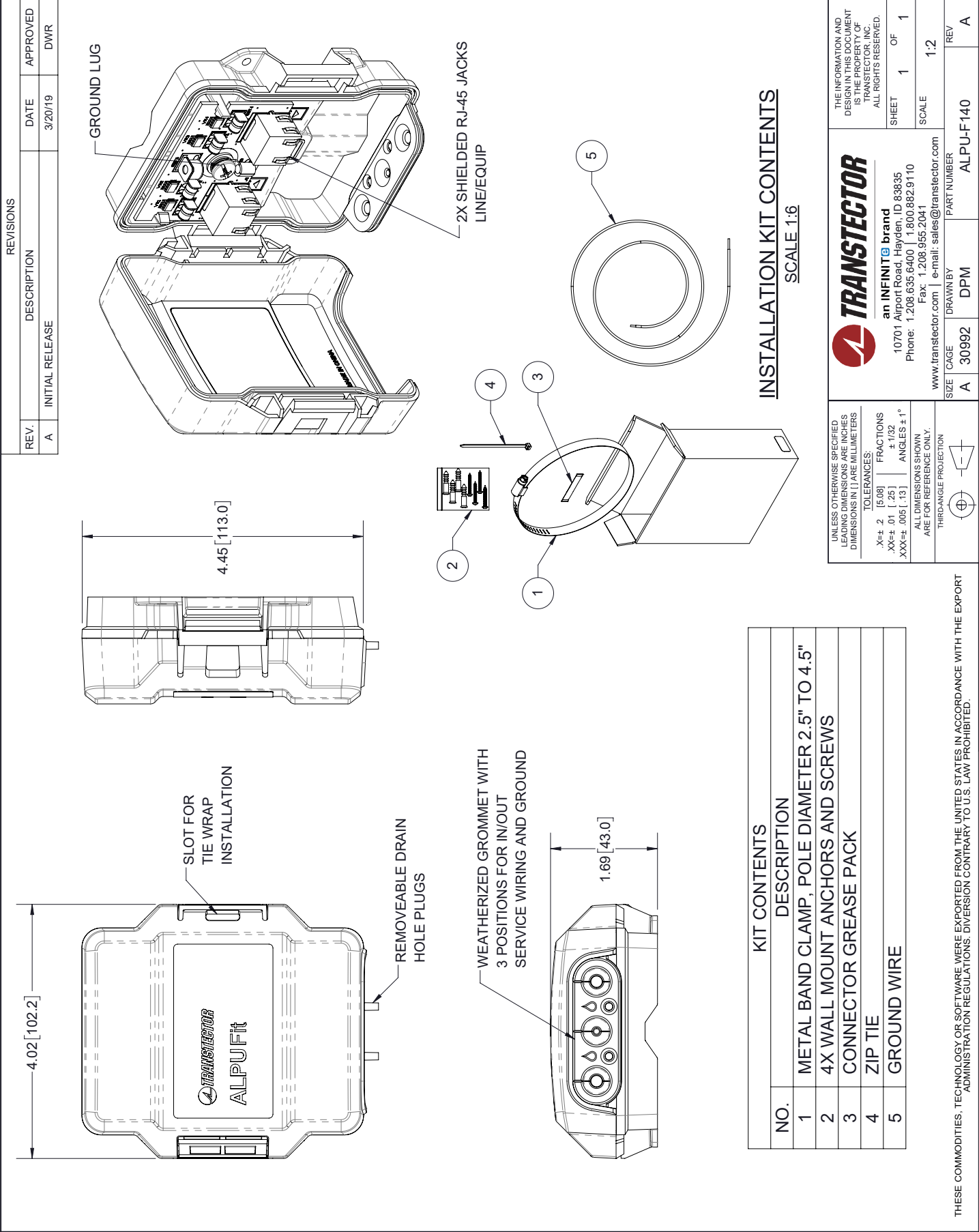
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SCALE N/A
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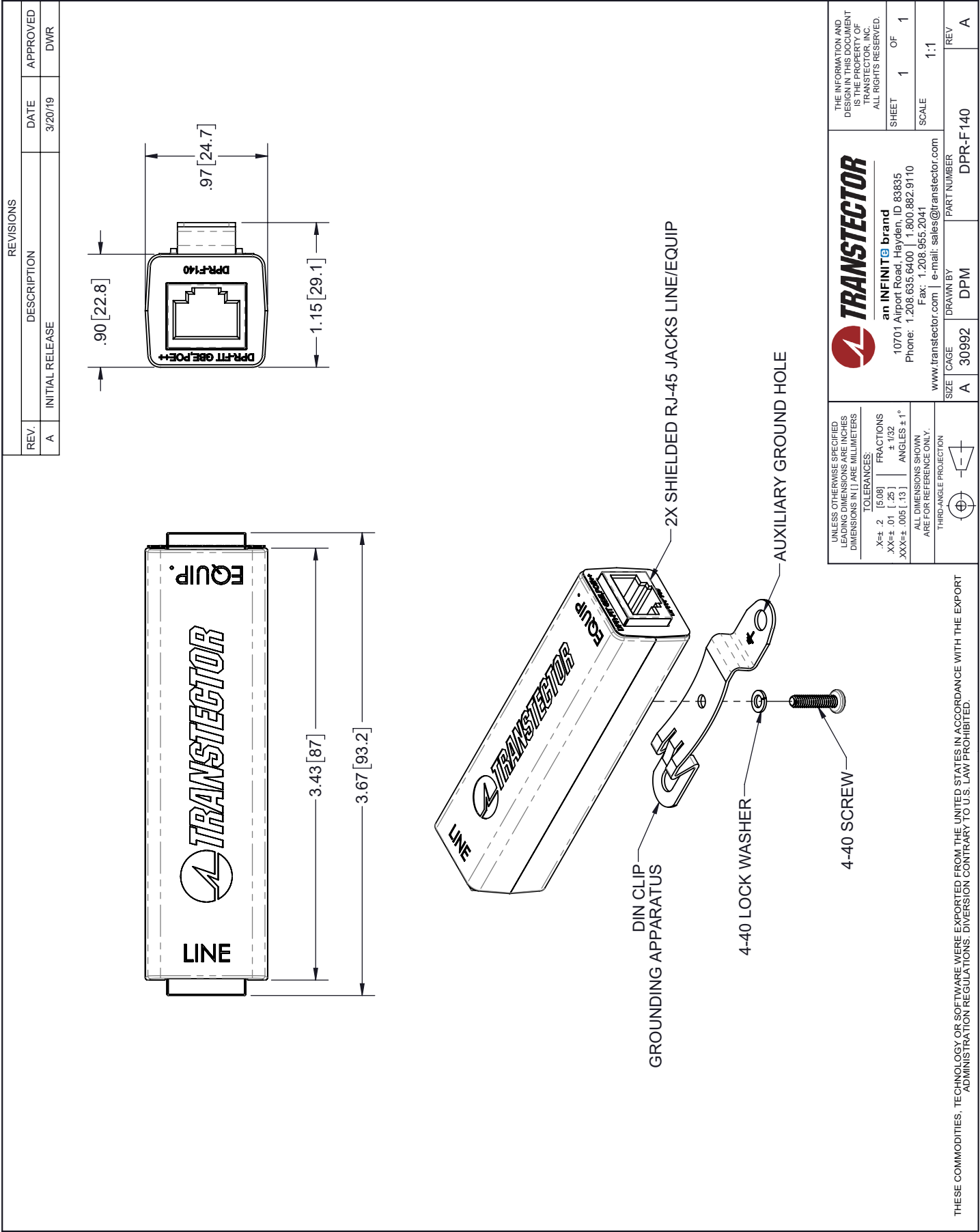
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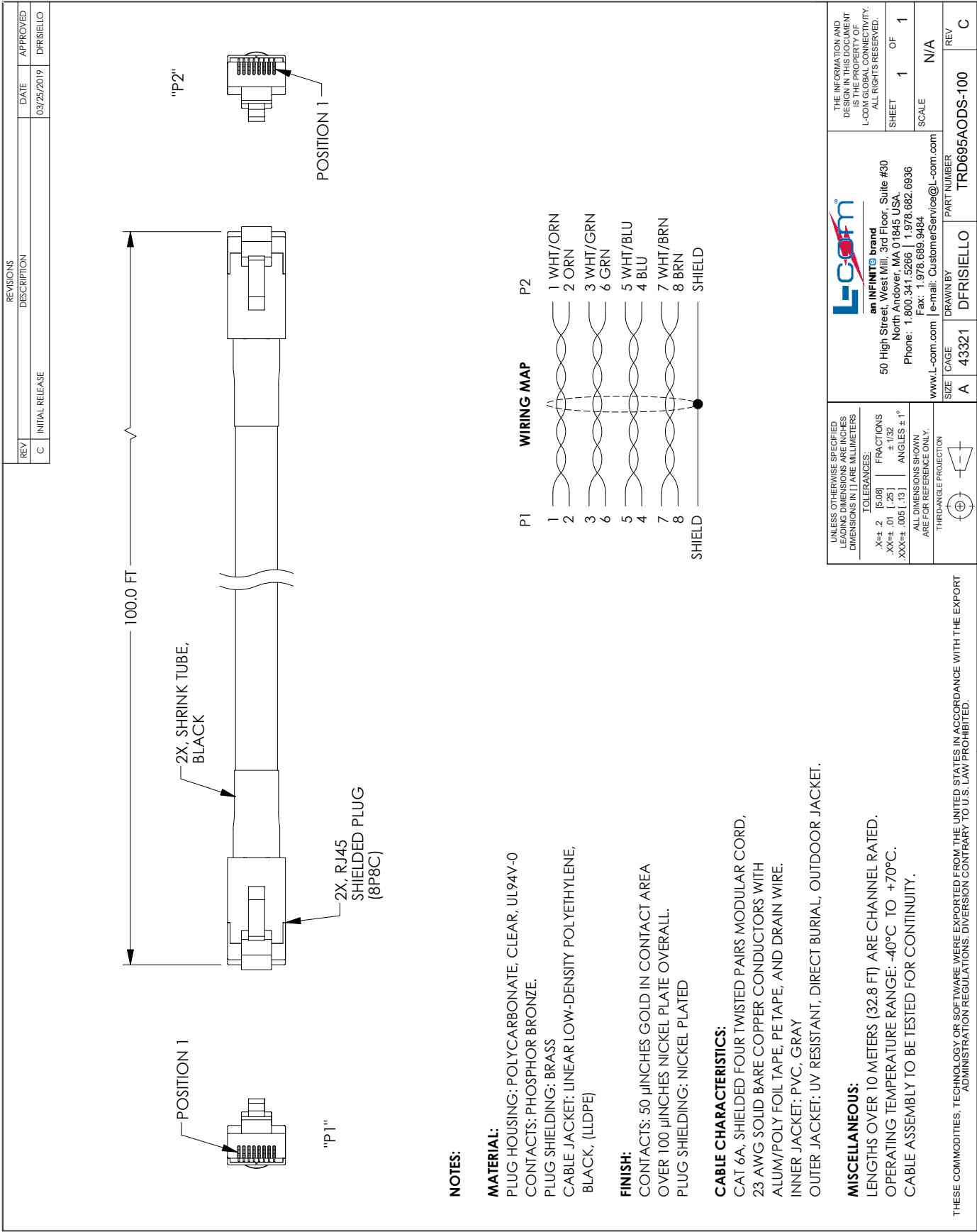
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T-Rev. B