TE connectivity

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Information Specialist

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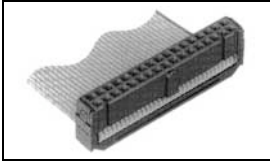
1-1658622-2 Product Details

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1-1658622-2

TE Internal Number: 1-1658622-2

✔ Active

📄 View 3D PDF

AMP-LATCH Ribbon Cable Connectors

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

Product Highlights:

- AMP-LATCH Product Line
- Wire-to-Board
- Applies To Wire/Cable
- Connector Assembly
- Connector Style = Receptacle

View all Features

Add to My Part List   Request Sample   Find Similar Products   Buy Product

Quick Links
- ▷ Pricing & Availability
- ▷ Search for Tooling
- ▷ View Mating Products (30)
- ▷ Product Feature Selector
- ▷ Contact Us About This Product

Documentation & Additional Information

Product Drawings:
- RECEPTACLE ASSY, CENTER & MILITARY POLARIZATION LEAD... (PDF, English)

Catalog Pages/Data Sheets:
- Ribbon Cable Interconnect Solutions (PDF, English)

Product Specifications:
- Connector, Flat Cable Round Conductor, AMP-LATCH Nov... (PDF, English)

Application Specifications:
- AMP-LATCH Novo Receptacles for Ribbon Cable with Con... (PDF, English)

Instruction Sheets:
- CONNECTOR-SPECIFIC KIT 768341-1 F/AMP-LATCH STANDARD... (PDF, English)

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version B)
- 3D Model (IGES, Version B)
- 3D Model (STEP, Version B)

Additional Information:
- Product Line Information

Related Products:
- Tooling
- Mating Products (30)

List all Documents

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

Product Type Features:
- Product Line = AMP-LATCH
- Connector Type = Connector Assembly
- Series = NOVO
- Shrouded = No
- Termination Method to Wire/Cable = Insulation Displacement Crimp (IDC)
- UL File Number = E28476
- CSA File Number = LR 7189

Electrical Characteristics:
- Contact - Rated Current (A) = 1
- Operating Voltage Reference = AC
- Operating Voltage (VAC) = 250

Termination Features:
- Wire/Cable Size (AWG) = 26 – 28
- Wire/Cable Size (mm²) = 0.08 – 0.15
- Wire/Cable Size (CMA) = 158 – 296

Dimensions:
- Length (X-Axis) (mm [in]) = 85.85 [3.3799]
- Width (Z-Axis) (mm [in]) = 7.49 [0.2949]
- Profile Height (Y-Axis) (mm [in]) = 15.16 [0.5968]

Body Features:
- Row-to-Row Spacing (mm [in]) = 2.54 [0.100]

Configuration Features:
- Number of Positions = 64
- Number of Rows = 2

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
- Agency/Standard = UL, CSA
- UL Rating = Recognized
- UL Voltage Rating (VAC) = 250

Environmental:
- Operating Temperature (°C [°F]) = -65 – +105 [-85 – +221]

Conditions for Usage:
- Applies To = Wire/Cable
- Accepts Wire Insulation Diameter, Range (mm [in]) = 0.787 – 0.94 [0.031 – 0.037]

Operation/Application:
- Application Use = Wire-to-Board
- Contact Transmits (Typical Application) = Signal (Data)

Packaging Features:
- Packaging Method = Tube

Contact Features:
- Contact Design = Tuning Fork
- Contact Type = Socket
- Contact Base Material = Phosphor Bronze
- Contact Plating, Mating Area, Material = Gold or Palladium Nickel or Performance Based
- Contact Plating, Mating Area, Thickness (μm [μin]) = 0.76 [29.92]

Housing Features:
- Connector Style = Receptacle
- Centerline (mm [in]) = 2.54 [0.100]
- Mating Alignment = With
- Mating Alignment Type = Polarization
- Housing Color = Black
- UL Flammability Rating = UL 94V-0

Other:
- Brand = AMP

Corporate Information

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Distributor Inventory

Product Cross Reference

Documents & Drawings

Product Compliance Support Center

Site Map

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Knowledge Base

Manage Your Account

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LOC	DIST			REVISIONS			
GP	00	P	LTR	DESCRIPTION	DATE	DWN	APVD
			B1	REVISED PER ECO-11-004835	11MAR11	RK	HMR

⚠1 MOLDED PARTS: UL RATED 94V-0 THERMOPLASTIC, BLACK.

⚠2 CONTACTS: PHOSPHOR BRONZE PER QQ-B-750.

⚠3 CONTACTS: PLATED WITH .000030 MIN GOLD IN LOCALIZED GOLD PLATE AREA, .000050 MIN TIN ON TERMINATION END, ALL OVER .000050 MIN NICKEL ON ENTIRE CONTACT.
   OR
GOLD FLASH OVER PALLADIUM-NICKEL PLATE .000030 MIN TOTAL IN LOCALIZED GOLD PLATE AREA, .000050 MIN TIN ON TERMENATION END, ALL OVER .000050 MIN NICKEL ON ENTIRE CONTACT.

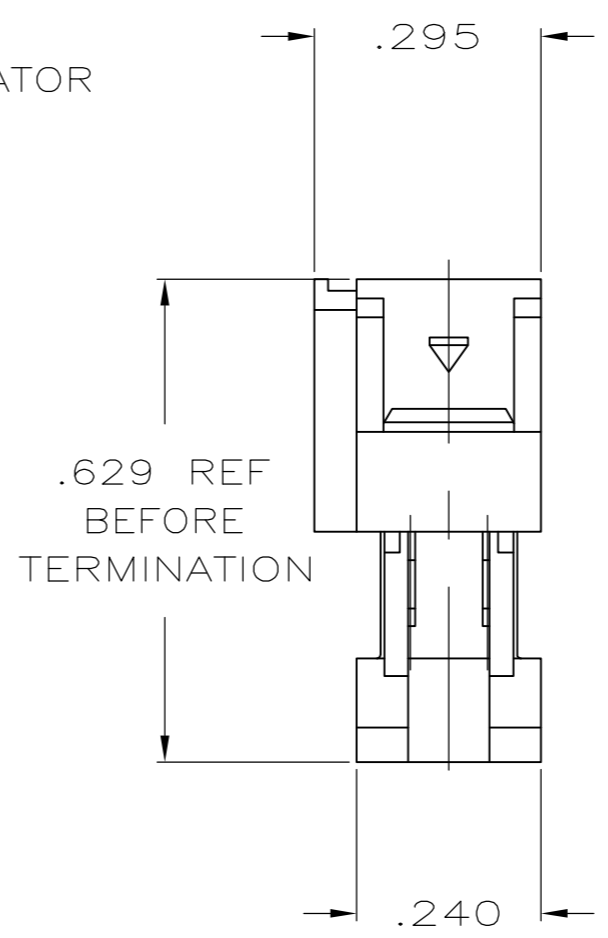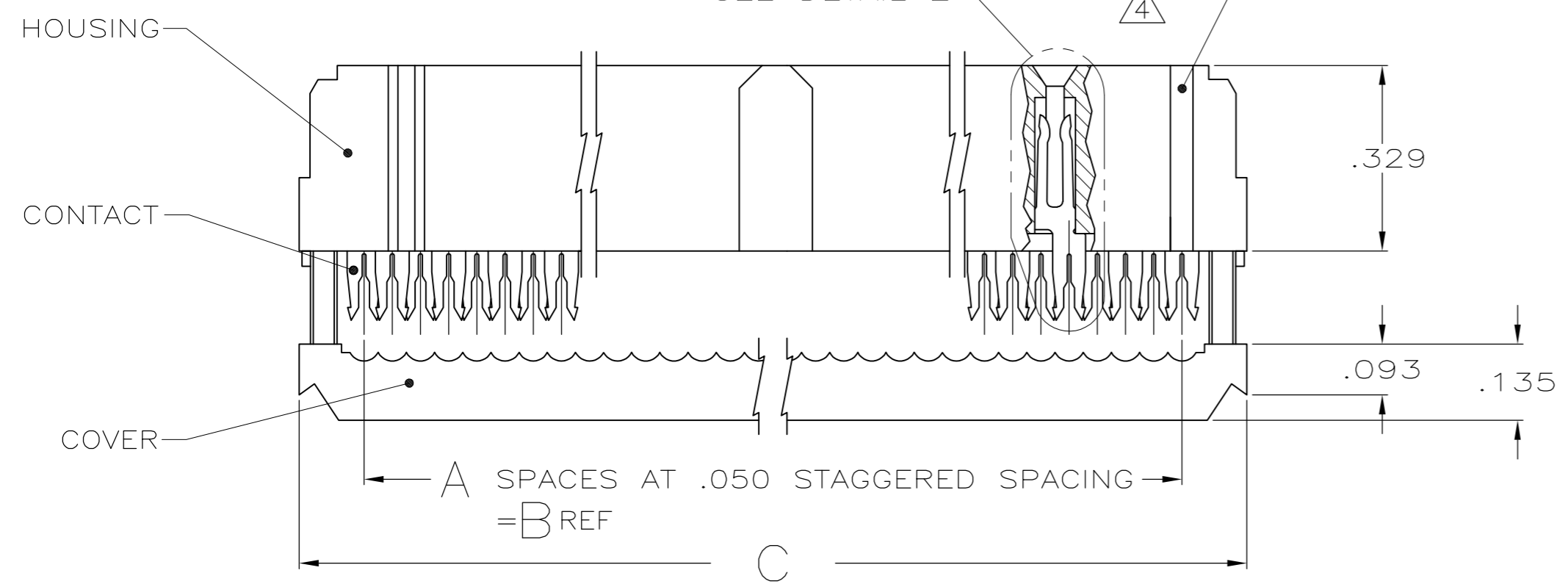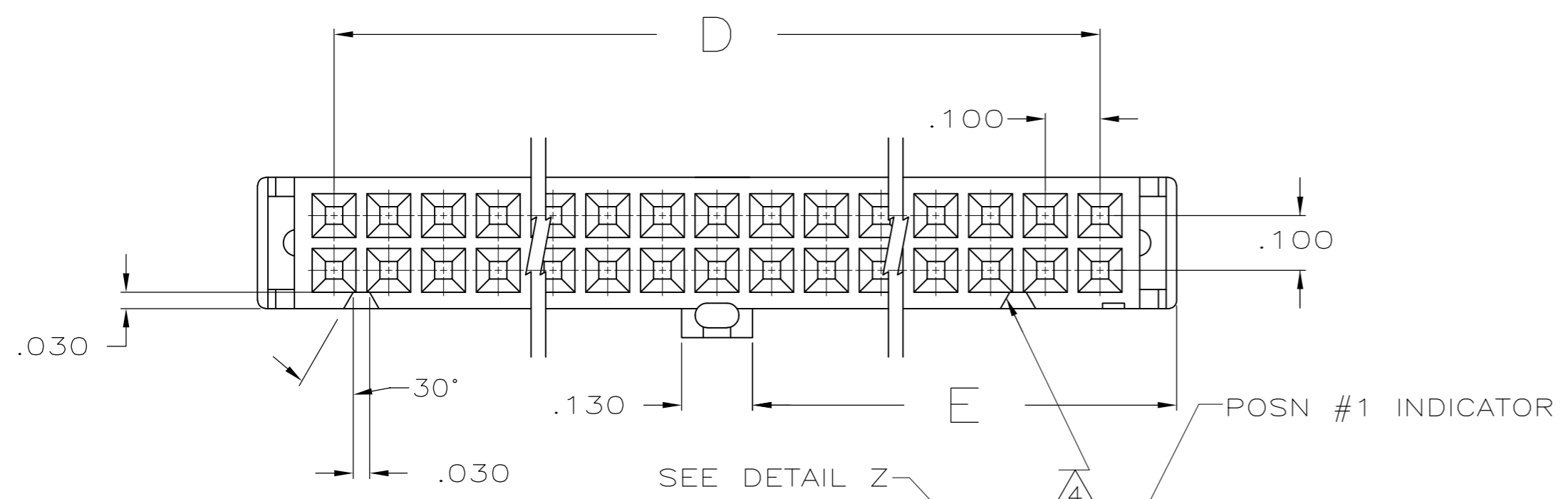⚠4 POLARIZING FEATURE DOES NOT EXIST ON SAME END AS THE POSN #1 INDICATOR ON 10 AND 14 POSN PRODUCT.
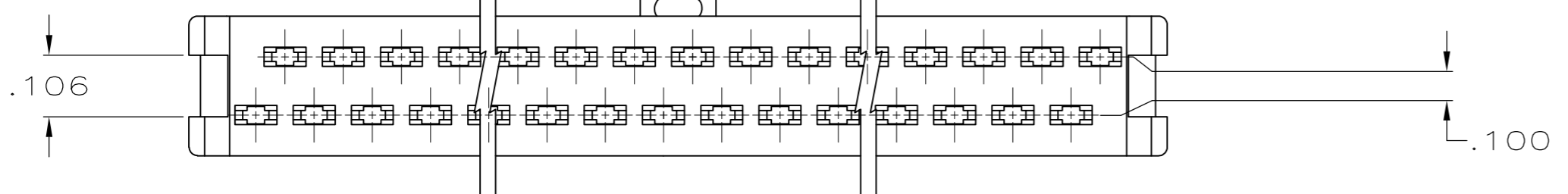
TERMINATED VIEW

.422±.010   .464±.010
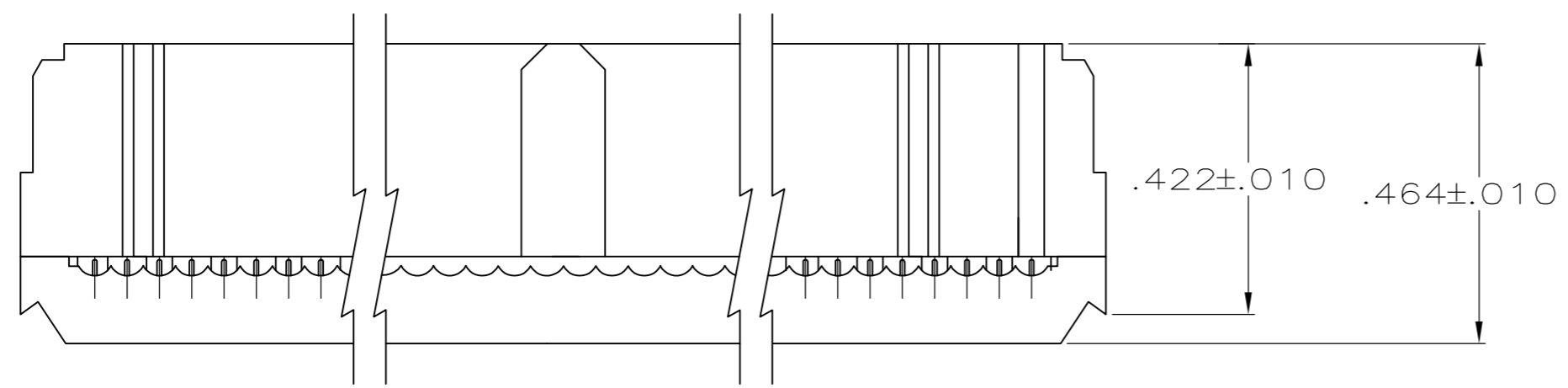
LOCALIZED GOLD PLATING ON THIS SURFACE
.014 MIN LOCALIZED GOLD PLATE AREA ⚠3
.123 MAX
.130 ±.002
⚠3
TERMINATION END
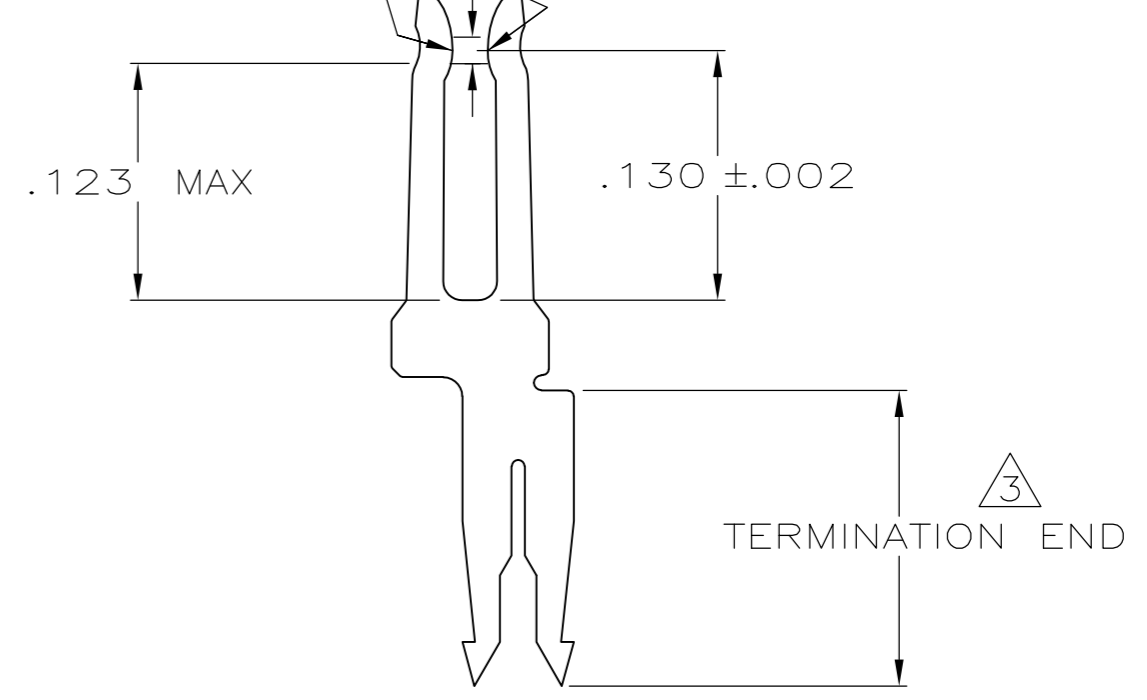
DETAIL Z
SCALE 10:1
TYPICAL

D
.100
.100
.030
30°
.130
E
.030
POSN #1 INDICATOR
SEE DETAIL Z
⚠4
HOUSING
CONTACT
COVER
.329
.093   .135
A SPACES AT .050 STAGGERED SPACING =B REF
C

.295
.629 REF BEFORE TERMINATION
.240

.106
.100

E	D	C	B	A	NO OF POSN	PART NUMBER
1.125	2.100	2.380	2.150	43	44	1-1658622-3
1.625	3.100	3.380	3.150	63	64	1-1658622-2
1.525	2.900	3.180	2.950	59	60	1-1658622-1
1.275	2.400	2.680	2.450	49	50	1-1658622-0
1.025	1.900	2.180	1.950	39	40	1658622-9
.875	1.600	1.880	1.650	33	34	1658622-8
.775	1.400	1.680	1.450	29	30	1658622-7
.675	1.200	1.480	1.250	25	26	1658622-6
.625	1.100	1.380	1.150	23	24	1658622-5
.525	.900	1.180	.950	19	20	1658622-4
.425	.700	.980	.750	15	16	1658622-3
.375	.600	.880	.650	13	14	1658622-2
.275	.400	.680	.450	9	10	1658622-1

1658622

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: INCHES	TOLERANCES UNLESS OTHERWISE SPECIFIED:	
	0 PLC	± –
	1 PLC	± –
	2 PLC	± –
	3 PLC	± .005
	4 PLC	± –
	ANGLES	± 5°

DWN	R. SAMICK	22AUG03
CHK	C. RHODE	22AUG03
APVD	M. WALMSLEY	22AUG03

TE Connectivity

RECEPTACLE ASSY,
CENTER & MILITARY POLARIZATION
LEAD FREE AMP-LATCH™ NOVO

PRODUCT SPEC 108-40000
APPLICATION SPEC 114-40005

MATERIAL SEE NOTES   FINISH SEE NOTES

WEIGHT –

SIZE	CAGE CODE	DRAWING NO	RESTRICTED TO
A2	00779	C-1658622	–

CUSTOMER DRAWING   SCALE 4:1   SHEET 1 OF 1   REV B1

1471-9 (3/11)