

# MEPNN Supplier Scouting Opportunity Synopsis

## Section 1: General Information

Scouting Number	2025-106
Item to be Scouted	Fiber Optic Cable Adapter
Days to be scouted	30
Response Due By	05/16/2025
Description	Plastic Adapter to plug in fiber optic cables. This piece is a combination of a hard plastic shell with a ceramic and metal insert.

## Section 2: Technical Information

Type of supplier being sought	Manufacturer
Reason	Re-shore
Describe the manufacturing processes (elaborate to provide as much detail as possible)	Injection molding, metal machining / stamping, ceramic extrusion and baking.
Provide dimensions / size / tolerances / performance specifications for the item	Roughly 27.4mm x 12.7mm x 9.3mm. See attachments for size and design specifications.
List required materials needed to make the product, including materials of product components	Housing: Thermoplastic, UL94 V-0 rated Dust Cap: Thermoplastic, UL94 V-0 rated Sleeve: Ceramic or Phos Bronze Metal Clip: Stainless Steel Holder: Thermoplastic, UL94 V-0 rated
Are there applicable certification requirements?	No
Are there applicable regulations?	Yes
Details	Must be RoHS compliant.
Are there any other standards, requirements, etc.?	Yes
Details	Must be RoHS compliant.
Additional Technical Comments	

## Section 4: Business Information

Estimated potential business volume	Estimated 3000 annually
Estimated target price / unit cost information (if unavailable explain)	Best available cost
When is it needed by?	September 2025
Describe packaging requirements	Bulk packaging
Where will this item be shipped?	Southwestern Virginia

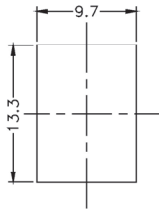
## Additional Comments

Is there other information you would like to include?	
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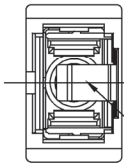
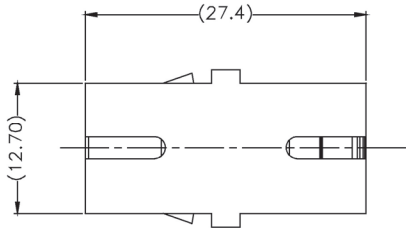
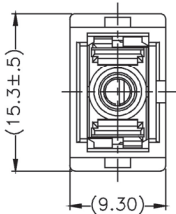
Part #17364

PART NUMBER INSTRUCTION									
954	-	Z	Y	X	-	5	0	0	X 0
CAP COLOR									
1=BLACK									
2=CLEAR									
SHUTTER									
8=NO									
9=YES									
SLEEVE									
0=CERAMIC									
Z=PHOSPHOR BRONZE									
		COLOR							
		1=BLUE							
		3=GREEN							
		8=BLACK							
		C=AQUA							
		E=BEIGE							

TABLE 1



SUGGESTED PANEL CUTOUT WITH  
PANEL THICKNESS: 1.2 TO 1.7



SHUTTER OPTIONAL  
THIS END

NOTES:

- PART NUMBER:  
954-ZYX-500X0 PER TABLE 1  
CONTACT AMPHENOL FOR OTHER CONFIGURATIONS
- SIMPLEX ADAPTER MEETS IEC 60874-14-3/4 AND TIA/EIA 604-3 MOUNTING AND ADAPTER DIMENSION SPECIFICATIONS.
- PARTS ARE ROHS COMPLIANT AND MEET AMPHENOL REGULATED MATERIAL SPECIFICATIONS 949-1604.
- MATERIALS:  
HOUSING: THERMOPLASTIC, UL94 V-0 RATED  
DUST CAP: THERMOPLASTIC, UL94 V-0 RATED  
(NOT SHOWN FOR CLARITY)  
SLEEVE: CERAMIC OR PHOS BRONZE  
SHUTTER: STAINLESS STEEL  
METAL CLIP: STAINLESS STEEL  
HOLDER: THERMOPLASTIC, UL94 V-0 RATED
- ADAPTERS ARE BULK PACKED.



UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE	
LINEAR	ANGULAR
X.X ± 0.2	X° ± 1°
X.XX ± 0.10	X°X' ± 30'
X.XXX ± 0.050	X°X'X" ± 15"

BREAK ALL SHARP EDGES  
AND REMOVE ALL BURRS  
DO NOT SCALE

MATERIAL: SEE NOTE 4	
FINISH: ---	
REF.:	

DIMENSIONS IN MILLIMETERS



THIRD ANGLE  
PROJECTION

B	UPDATE NOTE 1, NOTE 2: 60874 HAS 60784 CHG DWG# TO 954-ZYX-500X0, UPDATE TABLE 1	JG	11/15/17	E17-0394
★	FIRST ISSUE	SG	07/17/12	E12-0201
REV.	DESCRIPTION	APVD	DATE	ECO No
TITLE: ADAPTER, SC SIMPLEX ONF-PIECF, W/O DODR, W/O FLANGE, PLASTIC CLIP				
DRAWING NO. <b>954-ZYX-500X0</b> SHEET 1 OF 1				

**Amphenol**  
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