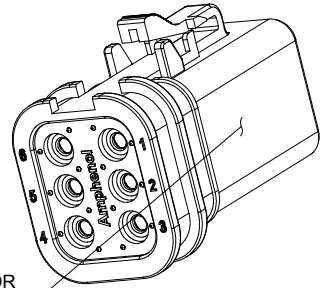
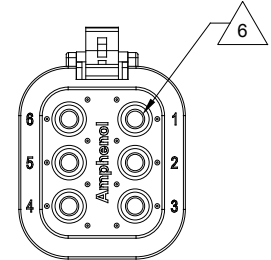
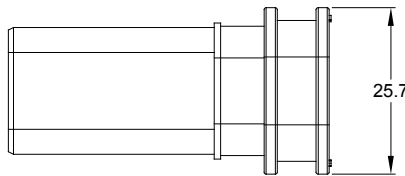
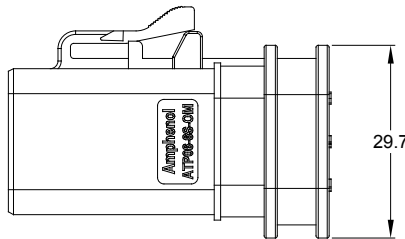
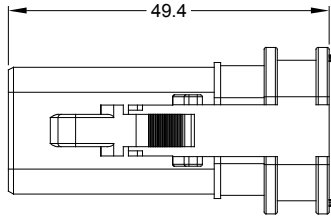


| REVISIONS |     |                     |           |       |       |
|-----------|-----|---------------------|-----------|-------|-------|
| REV       | ECO | DESCRIPTION         | DATE      | BY    | APPR  |
| 01        | -   | PRELIMINARY DRAWING | 24/SEP/19 | PETER | TOMMY |



REQUIRES CONTACT  
RETENTION WEDGE AWP-6S

NOTES: UNLESS OTHERWISE SPECIFIED

1. MATERIAL:  
HOUSING: THERMOPLASTIC  
SEAL: SILICONE RUBBER
2. MODIFICATIONS: REDUCED DIAMETER WIRE SEAL
3. SPECIFICATIONS:  
3.1 CURRENT RATING: 25 AMPS  
3.2 OPERATING TEMPERATURE: -55°C TO +125°C  
3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.  
3.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.  
3.5 MOISTURE RESISTANCE: IP67 ( MATED CONDITION )  
3.6 MATING CYCLE DURABILITY: 100 CYCLES  
3.7 RoHS COMPLIANT
4. MATING PART: ATP04-6P\* RECEPTACLE.  
( \* = MODIFICATIONS AND COLORS )
5. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

 CONTACT SIZE AND REAR SEAL WIRE RANGE:

STANDARD SEAL

| CONTACT SIZE | MIN. INSUL O.D.   | MAX. INSUL O.D.   | TYPICAL WIRE RANGE                    |
|--------------|-------------------|-------------------|---------------------------------------|
| 12           | 3.40 mm (.134 in) | 4.95 mm (.195 in) | 10 - 14 AWG (6.0-2.0mm <sup>2</sup> ) |

REDUCED DIAMETER SEAL

| CONTACT SIZE | MIN. INSUL O.D.   | MAX. INSUL O.D.   | TYPICAL WIRE RANGE                    |
|--------------|-------------------|-------------------|---------------------------------------|
| 12           | 2.46 mm (.097 in) | 4.01 mm (.158 in) | 12 - 14 AWG (3.0-2.0mm <sup>2</sup> ) |

| PART NUMBER CHART |                 |                  |
|-------------------|-----------------|------------------|
| COLOR             | P/N W/ STD SEAL | P/N W/ RD SEAL   |
| GREY              | ATP06-6S-OMGRY  | ATP06-6S-OMRDGRY |
| BLACK             | ATP06-6S-OMBLK  | ATP06-6S-OMRDBLK |
| BLUE              | ATP06-6S-OMBLU  | ATP06-6S-OMRDBLU |
| BROWN             | ATP06-6S-OMBRN  | ATP06-6S-OMRDBRN |
| GREEN             | ATP06-6S-OMGRN  | ATP06-6S-OMRDGRN |
| RED               | ATP06-6S-OMRED  | ATP06-6S-OMRDRED |
| WHITE             | ATP06-6S-OMWHT  | ATP06-6S-OMRDWHT |
| YELLOW            | ATP06-6S-OMYEL  | ATP06-6S-OMRDYEL |

REFER TO PART NUMBER CHART FOR  
AVAILABLE CONNECTOR COLORS

|                                                                                                                                                                                                                                                                                                                                    |  |                                                                                                                                                                                                                                                                      |  |                                                                                |  |                                                                                                                                                                                    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SEE PART NUMBER CHART                                                                                                                                                                                                                                                                                                              |  | PART NUMBER                                                                                                                                                                                                                                                          |  | DESCRIPTION                                                                    |  | ITEM                                                                                                                                                                               |
| QUANTITY                                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                      |  |                                                                                |  |                                                                                                                                                                                    |
| MATERIALS LIST                                                                                                                                                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                      |  |                                                                                |  |                                                                                                                                                                                    |
| <div>UNLESS OTHERWISE SPECIFIED</div> <div>1) All dimensions are in metric (mm).</div> <div>2) Tolerances are as follows:</div> <div>1 PL DEC ±0.30</div> <div>2 PL DEC ±0.15</div> <div>3 PL DEC ±0.08</div> <div>3) Note reference = </div> |  | <div>SIGNATURES</div> <div>DRAWN: PETER.YANG</div> <div>CHECKED: ORION.LI</div> <div>ENGINEER:</div> <div>APPROVAL: TOMMY.XIE</div> <div>CUSTOMER:</div>                                                                                                             |  | <div>DATE</div> <div>24/SEP/19</div> <div>24/SEP/19</div> <div>24/SEP/19</div> |  | <div>Amphenol</div> <div>Sine Systems - <a href="http://www.amphenol-sine.com">www.amphenol-sine.com</a></div> <div>44724 Morley Drive</div> <div>Clinton Township, MI 48036</div> |
| MATERIAL SPECIFICATIONS:                                                                                                                                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                      |  | STRUCTURE+, OVERMOLD-COMPATIBLE<br>PLUG, 6 SOCKET, ATP SERIES                  |  |                                                                                                                                                                                    |
| PROCESS SPECIFICATIONS:                                                                                                                                                                                                                                                                                                            |  | THIS DRAWING IS SUPPLIED FOR INFORMATION ONLY. DESIGN FEATURES, SPECIFICATIONS AND PERFORMANCE DATA SHOWN HEREON ARE THE PROPERTY OF THE AMPHENOL CORPORATION. NO RIGHTS OF REPRODUCTION ARE IMPLIED. ALL DIMENSIONS ARE SUBJECT TO NORMAL MANUFACTURING VARIATIONS. |  | SIZE: B TYPE: C- DWG NO: ATP06-6S-OMXXX REVISION: 01                           |  |                                                                                                                                                                                    |
| NEXT ASSY:                                                                                                                                                                                                                                                                                                                         |  |                                                                                                                                                                                                                                                                      |  | SCALE: NONE SHEET 1 OF 1                                                       |  |                                                                                                                                                                                    |

TITLE: STRUCTURE+ OVERMOLD-COMPATIBLE PLUG, 6 SOCKET, ATP SERIES  
DWG NO: ATP06-6S-OMXXX  
REV: 01  
SH: 1  
OF: 1

# Mouser Electronics

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