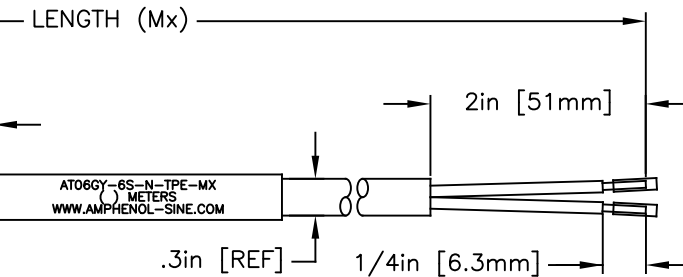
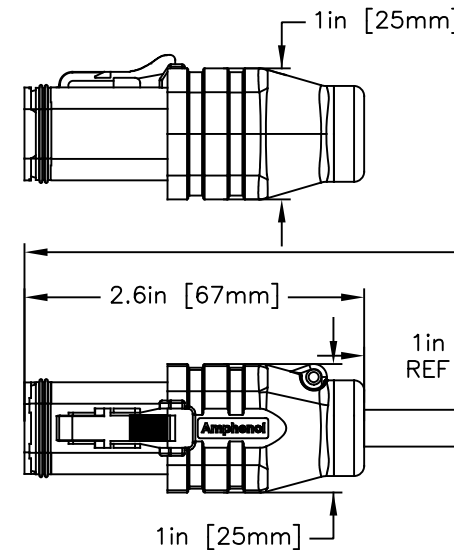
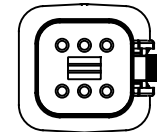
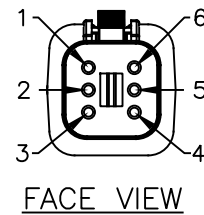


| LENGTH TABLE | |
|---------------------|-----------------|
| PART NUMBER | LENGTH (METERS) |
| AT06GY-6S-N-TPE-M1 | 1 (3.28FT) |
| AT06GY-6S-N-TPE-M2 | 2 (6.56FT) |
| AT06GY-6S-N-TPE-M4 | 4 (13.12FT) |
| AT06GY-6S-N-TPE-M5 | 5 (16.40FT) |
| AT06GY-6S-N-TPE-M10 | 10 (32.80FT) |

| REVISIONS | | | | | | |
|-----------|------|-----|-------------|------------|----|------|
| REV | ZONE | ECO | DESCRIPTION | DATE | BY | APPR |
| A1 | - | - | RELEASED | 11/27/2020 | RO | WS |



CONNECTOR TYPE
AT - Amphenol AT Connector
PLEASE CONTACT CSR FOR ADDITIONAL AVAILABLE OPTIONS

AT06GY-6S-N-TPE-M2

| DESIGN | |
|--------|------------------|
| 04 | Male Connector |
| 06 | Female Connector |

| POSITIONS | |
|-----------|--------|
| 2 | 2 Pin |
| 3 | 3 Pin |
| 4 | 4 Pin |
| 6 | 6 Pin |
| 8 | 8 Pin |
| 12 | 12 Pin |

DESIGN _____
S Female Connector
P Male Connector

COLORS
GY - GRAY
BK - BLACK
BN - BROWN
YL - YELLOW
RD - RED
GN - GREEN
WT - WHITE
BL - BLUE
ORG - ORANGE

NOTE: 8 & 12 WAY ARE ONLY AVAILABLE IN STANDARD KEY/COLOR CONFIGURATIONS.

KEY A - GRAY
KEY B - BLACK
KEY C - GREEN
KEY D - BROWN

CABLE LENGTH (M = METERS)

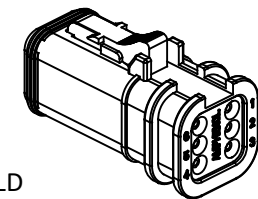
1 = 1M
2 = 2M
4 = 4M
5 = 5M
10 = 10M
CUSTOM CABLE LENGTH OPTIONS AVAILABLE. CONTACT CSR.

CABLE TYPE
TPE - TPE, BLACK

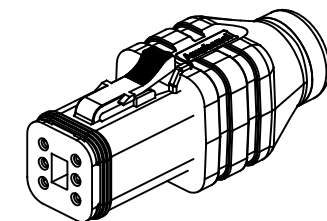
LED/SUPPRESSOR CIRCUIT
N - NONE
S - LED/SUPPRESSOR DIODE(2POSITION)

WIRING DIAGRAM

| | |
|---|--------------|
| 1 | BLACK 18AWG |
| 2 | WHITE 18AWG |
| 3 | BROWN 18AWG |
| 4 | RED 18AWG |
| 5 | ORANGE 18AWG |
| 6 | YELLOW 18AWG |




BEFORE OVERMOLD



AFTER OVERMOLD

NOTES: UNLESS OTHERWISE SPECIFIED

- | | | |
|----|--|--|
| 1. | MATERIAL: HOUSING: PA66 SEAL: SILICONE RUBBER | 41/34 BARE COPPER. CONDUCTOR INSULATION: SRPVC (SEE COLOR CODE) CABLING: 6 CONDUCTORS CABLED TOGETHER WITH FRPP FILLERS BINDER: FLEECE TAPE |
| 2. | MODIFICATIONS: OVERMOLDED | JACKET: TPE, BLACK PRINT: AMPHENOL SINE SYSTEMS KA-56764-6 6C 18AWG (UL FILE NUMBER) RU |
| 3. | SPECIFICATIONS: 3.1 CURRENT RATING: 10AMPS - 300V AC/DC 3.2 OVERMOLDED ASY OPERATING TEMPERATURE: -40C TO +100C 3.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC. 3.4 INSULATION RESISTANCE: 1000 MEGAOHMS MIN @ 25C 3.5 MOISTURE RESISTANCE: IP68 MATED CONDITION (1M OF WATER FOR 24 HOURS). 3.6 MATING CYCLE DURABILITY: 100 CYCLES 3.7 RoHS COMPLIANT | AWM 21270 105C 600V --- (CSA FILE NUMBER) CSA AWM I/II A/B -40C TO +105C 600V FT4 APPROVALS: AWM 21270, CSA AWM I/II A/B FT4, SUNLIGHT RESISTANT, OIL RESISTANT, MATERIALS ARE RoHS 3 COMPLIANT. |
| | | 5. MATING PART: AT04-6P* RECEPTACLE (* = MODIFICATIONS AND COLORS) |
| | | 6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY. |

| | | | | | |
|---|-------------|--|------|--------------------|--|
| QUANTITY | PART NUMBER | DESCRIPTION | | | ITEM |
| MATERIALS LIST | | | | | |
| UNLESS OTHERWISE SPECIFIED | | SIGNATURES | | DATE | <div>Amphenol</div> <div>Sine Systems - www.amphenol-sine.com 44724 Morley Drive Clinton Township, MI 48036</div> <div>6 POS PLUG MOLDED, BLK TPE, SNGL-ENDED CBL ASSY, AMPHENOL AT CONNECTOR AT06-6S</div> |
| 1) All dimensions are in metric(mm). | | DRAWN: | RO | 11/5/2020 | |
| 2) Tolerances are as follows: | | CHECKED: | WS | 1/15/2021 | |
| 1 PL DEC ±0.30 3 PL DEC ±0.15 3 PL DEC ±0.08 | | ENGINEER: | RO | | |
| 3) Note reference =  | | APPROVAL: | WS | 1/15/2021 | |
| MATERIAL SPECIFICATIONS: | | CUSTOMER: | | | |
| 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. | | | |
| NEXT ASSY: | | SIZE | TYPE | DWG NO: | REVISION |
| | | C | C- | AT06GY-6S-N-TPE-Mx | A1 |
| | | SCALE: | NONE | AT06GY-6S-N-TPE-Mx | SHEET 1 OF 1 |

Mouser Electronics

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[AT06GY-6S-N-TPE-M10](#)