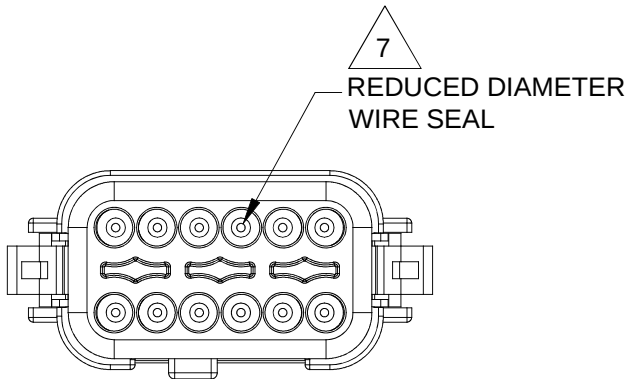
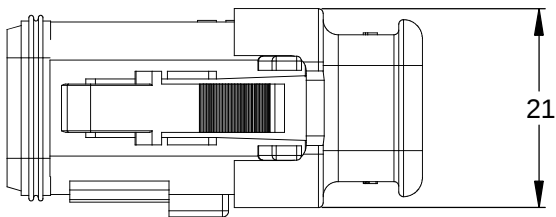
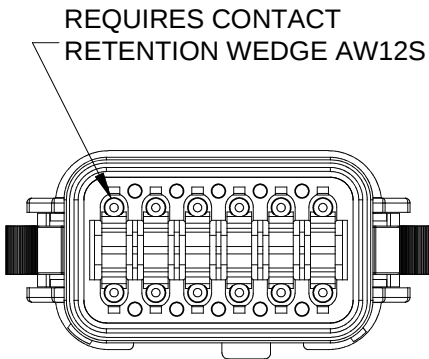
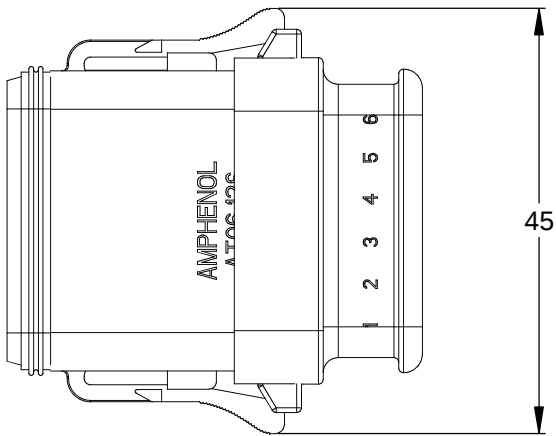


| REVISIONS |     |                        |        |     |      |
|-----------|-----|------------------------|--------|-----|------|
| REV       | ECO | DESCRIPTION            | DATE   | BY  | APPR |
| A3        | -   | RELEASE NEW DWG FORMAT | 11EC13 | DRP | -    |



NOTES: UNLESS OTHERWISE SPECIFIED

1 SEE SHEET 2 FOR KEY ARRANGEMENTS AND COLORS.

2. MATERIAL:  
HOUSING: THERMOPLASTIC  
SEAL: SILICONE RUBBER

3. MODIFICATIONS: STRAIN RELIEF END CAP;  
REDUCED DIA. WIRE SEAL

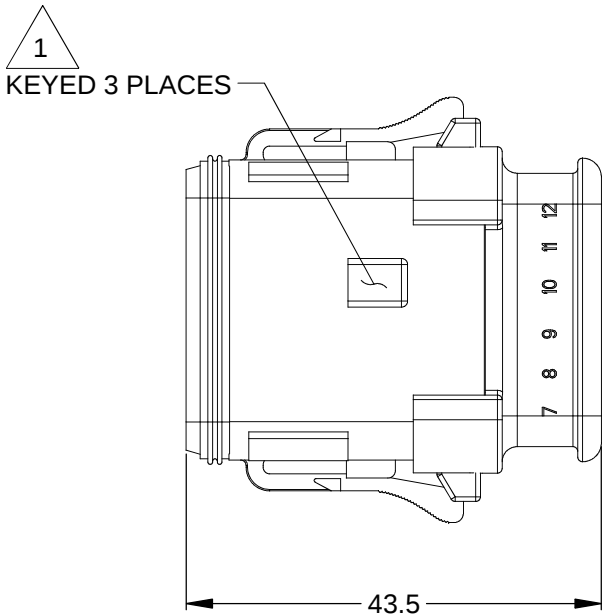
4. SPECIFICATIONS:  
4.1 CURRENT RATING: 13 AMPS  
4.2 OPERATING TEMPERATURE: -55°C TO +125°C  
4.3 DIELECTRIC WITHSTANDING VOLTAGE: LESS THAN 2 MILLIAMPS CURRENT LEAKAGE @ 1500 VOLTS AC.  
4.4 INSULATION RESISTANCE: 1000 MEGOHMS MIN @ 25°C.  
4.5 MOISTURE RESISTANCE: IP67 ( MATED CONDITION )  
4.6 MATING CYCLE DURABILITY: 100 CYCLES  
4.7 RoHS COMPLIANT

5. MATING PART: AT04-12PX\* RECEPTACLE  
( X = A,B,C,D KEYS; \* = MODIFICATIONS AND COLORS )

6. ALL DIMENSIONS ARE FOR REFERENCE USE ONLY.

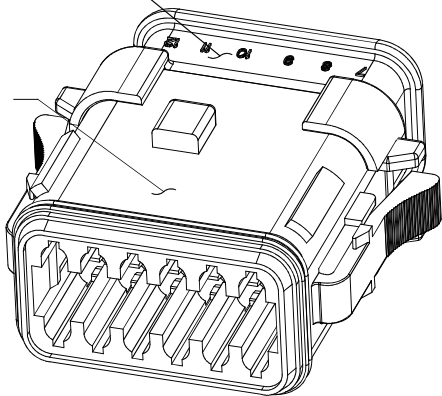
7 CONTACT SIZE AND REAR SEAL WIRE RANGE:

| CONTACT SIZE | MIN. INSUL O.D.   | MAX. INSUL O.D.   | TYPICAL WIRE RANGE |
|--------------|-------------------|-------------------|--------------------|
| 16           | 1.35 mm (.053 in) | 3.05 mm (.120 in) | 14 - 20 AWG        |



STRAIN RELIEF END CAP -  
BLACK - ALL CONNECTORS

1 REFER TO SHEET 2 FOR AVAILABLE  
CONNECTOR HOUSING COLORS



|                                                                                                                                                                                                                                                                                                           |                |                                                                                                                                    |                                    |                                                                                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| SEE SHEET 2                                                                                                                                                                                                                                                                                               |                |                                                                                                                                    |                                    |                                                                                                                                                                                    |
| 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>Fractions ±1/64</div> <div>Angles ±1°</div> <div>3) Note reference = <div>x</div></div> |                | <div>SIGNATURES</div> <div>DRAWN: D.PARKS</div> <div>CHECKED:</div> <div>ENGINEER:</div> <div>APPROVAL:</div> <div>CUSTOMER:</div> | <div>DATE</div> <div>11DEC13</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:                                                                                                                                                                                                                                                                                  |                | PLUG,12 SOCKET,AT SERIES,KEYED,STRAIN RELIEF END CAP, REDUCED DIA SEAL                                                             |                                    |                                                                                                                                                                                    |
| PROCESS SPECIFICATIONS:                                                                                                                                                                                                                                                                                   |                | SIZE TYPE DWG NO: REVISION                                                                                                         |                                    |                                                                                                                                                                                    |
| NEXT ASSY:                                                                                                                                                                                                                                                                                                |                | B C- AT06-12SX-SR2XX A3                                                                                                            |                                    |                                                                                                                                                                                    |
|                                                                                                                                                                                                                                                                                                           |                | SCALE: NONE SHEET 1 OF 2                                                                                                           |                                    |                                                                                                                                                                                    |

TITLE: PLUG, 12 POS, AT, KEYED, STRAIN RELIEF, REDUCED DIA SEAL

DWG NO:

AT06-12SX-SR2XX

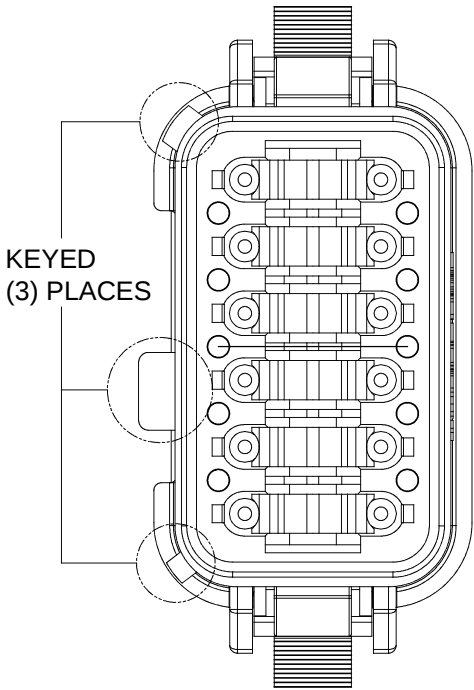
REV: A3

SH: 1

OF: 2

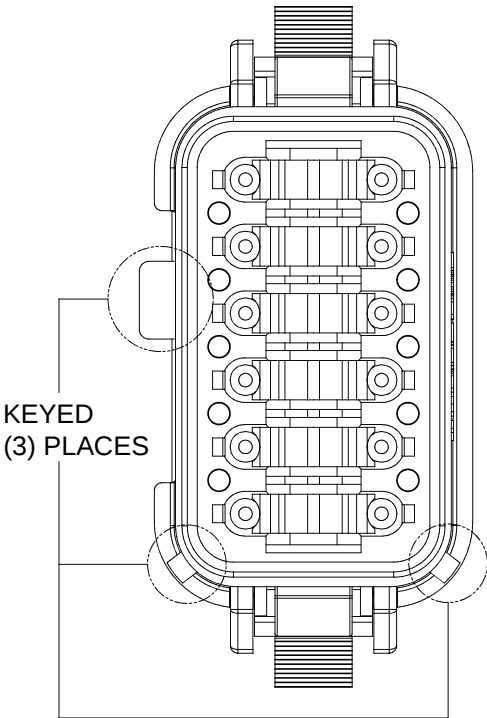
| REVISIONS |     |             |      |    |      |
|-----------|-----|-------------|------|----|------|
| REV       | ECO | DESCRIPTION | DATE | BY | APPR |

P/N AT06-12SA-SR2GY  
KEY-A CONFIGURATION  
STANDARD COLOR: GREY



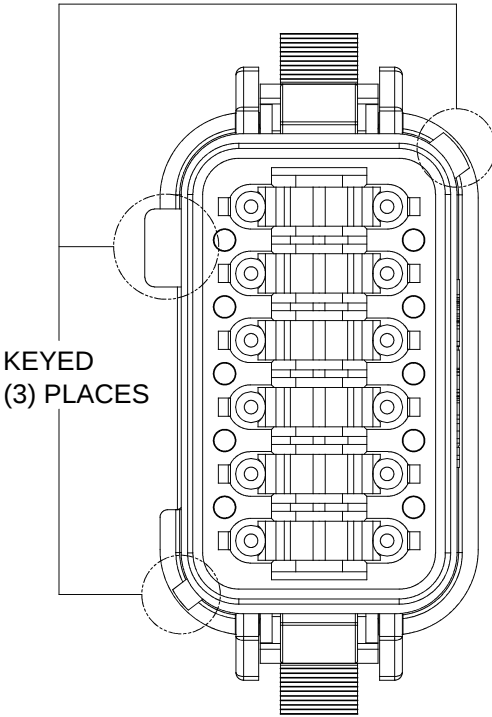
| KEY-A CONFIGURATION |                 |
|---------------------|-----------------|
| COLOR               | PART NUMBER     |
| * GREY              | AT06-12SA-SR2GY |
| BLACK               | AT06-12SA-SR2BK |
| GREEN               | AT06-12SA-SR2GN |
| BROWN               | AT06-12SA-SR2BR |

P/N AT06-12SB-SR2BK  
KEY-B CONFIGURATION  
STANDARD COLOR: BLACK



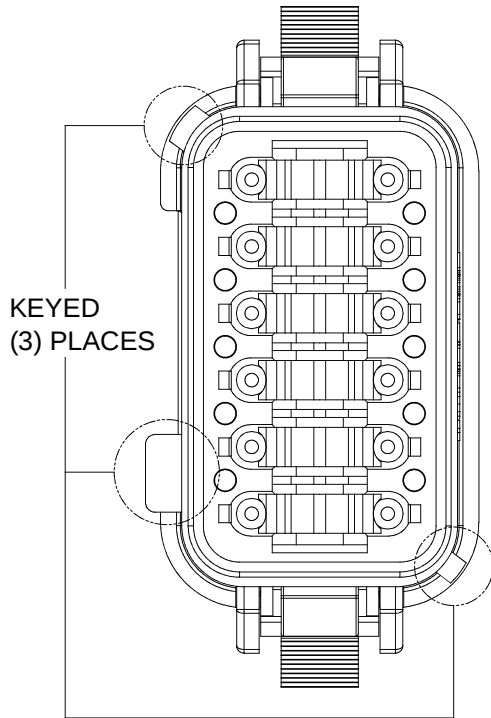
| KEY-B CONFIGURATION |                 |
|---------------------|-----------------|
| COLOR               | PART NUMBER     |
| GREY                | AT06-12SB-SR2GY |
| * BLACK             | AT06-12SB-SR2BK |
| GREEN               | AT06-12SB-SR2GN |
| BROWN               | AT06-12SB-SR2BR |

P/N AT06-12SC-SR2GN  
KEY-C CONFIGURATION  
STANDARD COLOR: GREEN



| KEY-C CONFIGURATION |                 |
|---------------------|-----------------|
| COLOR               | PART NUMBER     |
| GREY                | AT06-12SC-SR2GY |
| BLACK               | AT06-12SC-SR2BK |
| * GREEN             | AT06-12SC-SR2GN |
| BROWN               | AT06-12SC-SR2BR |

P/N AT06-12SD-SR2BR  
KEY-D CONFIGURATION  
STANDARD COLOR: BROWN



| KEY-D CONFIGURATION |                 |
|---------------------|-----------------|
| COLOR               | PART NUMBER     |
| GREY                | AT06-12SD-SR2GY |
| BLACK               | AT06-12SD-SR2BK |
| GREEN               | AT06-12SD-SR2GN |
| * BROWN             | AT06-12SD-SR2BR |

NOTE:

AN ASTERISKS ( \* ) PLACED BEFORE THE COLOR DENOTES THE STANDARD MOLDED COLOR OF THE CONNECTORS SHOWN ABOVE. STRAIN RELIEF END CAPS ARE AVAILABLE IN BLACK ONLY.

OTHER COLORS SHOWN ARE AVAILABLE VIA SPECIAL ORDER.

|                                                                                                           |                |                                                                                                                                                                                                                                                                      |             |                 |              |
|-----------------------------------------------------------------------------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|-----------------|--------------|
|                                                                                                           | PART NUMBER    |                                                                                                                                                                                                                                                                      | DESCRIPTION |                 | ITEM         |
| QUANTITY                                                                                                  | MATERIALS LIST |                                                                                                                                                                                                                                                                      |             |                 |              |
| UNLESS OTHERWISE SPECIFIED                                                                                |                | SIGNATURES                                                                                                                                                                                                                                                           |             | DATE            |              |
| 1) All dimensions are in metric(mm).                                                                      |                | DRAWN: D.PARKS                                                                                                                                                                                                                                                       |             | 11DEC13         |              |
| 2) Tolerances are as follows:                                                                             |                | CHECKED:                                                                                                                                                                                                                                                             |             |                 |              |
| 1 PL DEC ±0.30                                                                                            |                | ENGINEER:                                                                                                                                                                                                                                                            |             |                 |              |
| 2 PL DEC ±0.15                                                                                            |                | APPROVAL:                                                                                                                                                                                                                                                            |             |                 |              |
| 3 PL DEC ±0.08                                                                                            |                | CUSTOMER:                                                                                                                                                                                                                                                            |             |                 |              |
| 3) Note reference =  |                | 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. |             |                 |              |
| MATERIAL SPECIFICATIONS:                                                                                  |                | PLUG,12 SOCKET,AT SERIES,KEYED,STRAIN RELIEF END CAP, REDUCED DIA SEAL                                                                                                                                                                                               |             |                 |              |
| PROCESS SPECIFICATIONS:                                                                                   |                | SIZE                                                                                                                                                                                                                                                                 | TYPE        | DWG NO:         | REVISION     |
|                                                                                                           |                | B                                                                                                                                                                                                                                                                    | C-          | AT06-12SX-SR2XX | A3           |
| NEXT ASS'Y:                                                                                               |                | SCALE: NONE                                                                                                                                                                                                                                                          |             |                 | SHEET 2 OF 2 |

TITLE: PLUG, 12 POS, AT, KEYED, STRAIN RELIEF, REDUCED DIA SEAL  
DWG NO: AT06-12SX-SR2XX  
REV: A3  
SH: 2  
OF: 2

## AT Series™ - Contact Size 16 Options

| Machined Contacts, Sockets & Pins |                                        |      |       |          |
|-----------------------------------|----------------------------------------|------|-------|----------|
| Part Number                       | Description                            | Size | AWG   | Type     |
| AT60-215-1631                     | Male Contact - Pin, Gold-plated        | 16   | 14    | Machined |
| AT62-209-1631                     | Female Contact - Socket, Gold-plated   | 16   | 14    | Machined |
| AT60-215-16141                    | Male Contact - Pin, Nickel-plated      | 16   | 14    | Machined |
| AT62-209-16141                    | Female Contact - Socket, Nickel-plated | 16   | 14    | Machined |
| AT60-202-1631                     | Male Contact - Pin, Gold-plated        | 16   | 16-20 | Machined |
| AT62-201-1631                     | Female Contact - Socket, Gold-plated   | 16   | 16-20 | Machined |
| AT60-202-16141                    | Male Contact - Pin, Nickel-plated      | 16   | 16-20 | Machined |
| AT62-201-16141                    | Female Contact - Socket, Nickel-plated | 16   | 16-20 | Machined |
| AT60-202-1631-22                  | Male Contact - Pin, Gold-plated        | 16   | 22-24 | Machined |
| AT62-201-1631-22                  | Female Contact - Socket, Gold-plated   | 16   | 22-24 | Machined |
| AT60-202-16141-22                 | Male Contact - Pin, Nickel-plated      | 16   | 22-24 | Machined |
| AT62-201-16141-22                 | Female Contact - Socket, Nickel-plated | 16   | 22-24 | Machined |

| Tooling - Machined Contacts                                                       |             |                                                                   |
|-----------------------------------------------------------------------------------|-------------|-------------------------------------------------------------------|
| Part                                                                              | Part Number | Description                                                       |
|  | CA-5D12     | Universal Hand Crimp Tool, Size 12/16/20 (Machined contacts only) |
|  | CA-5E12     | Pneumatic Crimp Tool, Size 12/16/20 (Machined contacts only)      |

| Contact Removal Tools                                                               |               |                                                     |
|-------------------------------------------------------------------------------------|---------------|-----------------------------------------------------|
| Part                                                                                | Part Number   | Description                                         |
|  | ATRT-100      | Used for removal of contacts for A Series™ products |
|  | AT11-310-1605 | Contact Removal Tool, Plastic, Size 16              |

| Sealing Plugs                                                                       |                  |                                                 |
|-------------------------------------------------------------------------------------|------------------|-------------------------------------------------|
| Part                                                                                | Part Number      | Description                                     |
|  | A114017          | Sealing Plug, Size 16, White                    |
|  | A114017-SR       | Sealing Plug, Size 16, SR01 Series, Black       |
|  | AT13-217-1605    | Locking Sealing Plug, Size 16, Grey             |
|  | AT13-217-1605-SR | Locking Sealing Plug, Size 16, SR01 Series, Red |

| Stamped & Formed Contacts, Sockets & Pins |                                        |      |       |                  |
|-------------------------------------------|----------------------------------------|------|-------|------------------|
| Part Number                               | Description                            | Size | AWG   | Type             |
| AT60-14-0144                              | Male Contact - Pin, Gold-plated        | 16   | 14-16 | Stamped & Formed |
| AT62-14-0144                              | Female Contact - Socket, Gold-plated   | 16   | 14-16 | Stamped & Formed |
| AT60-14-0122                              | Male Contact - Pin, Nickel-plated      | 16   | 14-16 | Stamped & Formed |
| AT62-14-0122                              | Female Contact - Socket, Nickel-plated | 16   | 14-16 | Stamped & Formed |
| AT60-16-0144                              | Male Contact - Pin, Gold-plated        | 16   | 16-18 | Stamped & Formed |
| AT62-16-0144                              | Female Contact - Socket, Gold-plated   | 16   | 16-18 | Stamped & Formed |
| AT60-16-0122                              | Male Contact - Pin, Nickel-plated      | 16   | 16-18 | Stamped & Formed |
| AT62-16-0122                              | Female Contact - Socket, Nickel-plated | 16   | 16-18 | Stamped & Formed |
| AT60-16-0644                              | Male Contact - Pin, Gold-plated        | 16   | 18-20 | Stamped & Formed |
| AT62-16-0644                              | Female Contact - Socket, Gold-plated   | 16   | 18-20 | Stamped & Formed |
| AT60-16-0622                              | Male Contact - Pin, Nickel-plated      | 16   | 18-20 | Stamped & Formed |
| AT62-16-0622                              | Female Contact - Socket, Nickel-plated | 16   | 18-20 | Stamped & Formed |
| AT60-16-0844                              | Male Contact - Pin, Gold-plated        | 16   | 20-22 | Stamped & Formed |
| AT62-16-0844                              | Female Contact - Socket, Gold-plated   | 16   | 20-22 | Stamped & Formed |
| AT60-16-0822                              | Male Contact - Pin, Nickel-plated      | 16   | 20-22 | Stamped & Formed |
| AT62-16-0822                              | Female Contact - Socket, Nickel-plated | 16   | 20-22 | Stamped & Formed |

| Tooling - Stamped & Formed Contacts                                                   |             |                                                         |
|---------------------------------------------------------------------------------------|-------------|---------------------------------------------------------|
| Part                                                                                  | Part Number | Description                                             |
|    | MFY-3950    | Crimp Die - Size 16, 18-20AWG (S&F contacts only)       |
|                                                                                       | MFY-3953    | Crimp Die - Size 16, 16-18AWG (S&F contacts only)       |
|                                                                                       | MFY-3975    | Crimp Die - Size 16, 14-16AWG (S&F contacts only)       |
|                                                                                       | MFY-3990    | Crimp Die - Size 16, 20-22AWG (S&F contacts only)       |
|  | ATT-16-00   | Hand Crimp Tool - Size 16, 14-16AWG (S&F contacts only) |
|                                                                                       | ATT-16-01   | Hand Crimp Tool - Size 16, 18-20AWG (S&F contacts only) |
|                                                                                       | ATT-1612-03 | Hand Crimp Tool - Size 16, 20-22AWG (S&F contacts only) |

**Amphenol Sine Systems**  
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[www.amphenol-sine.com](http://www.amphenol-sine.com)  
 03/2022