

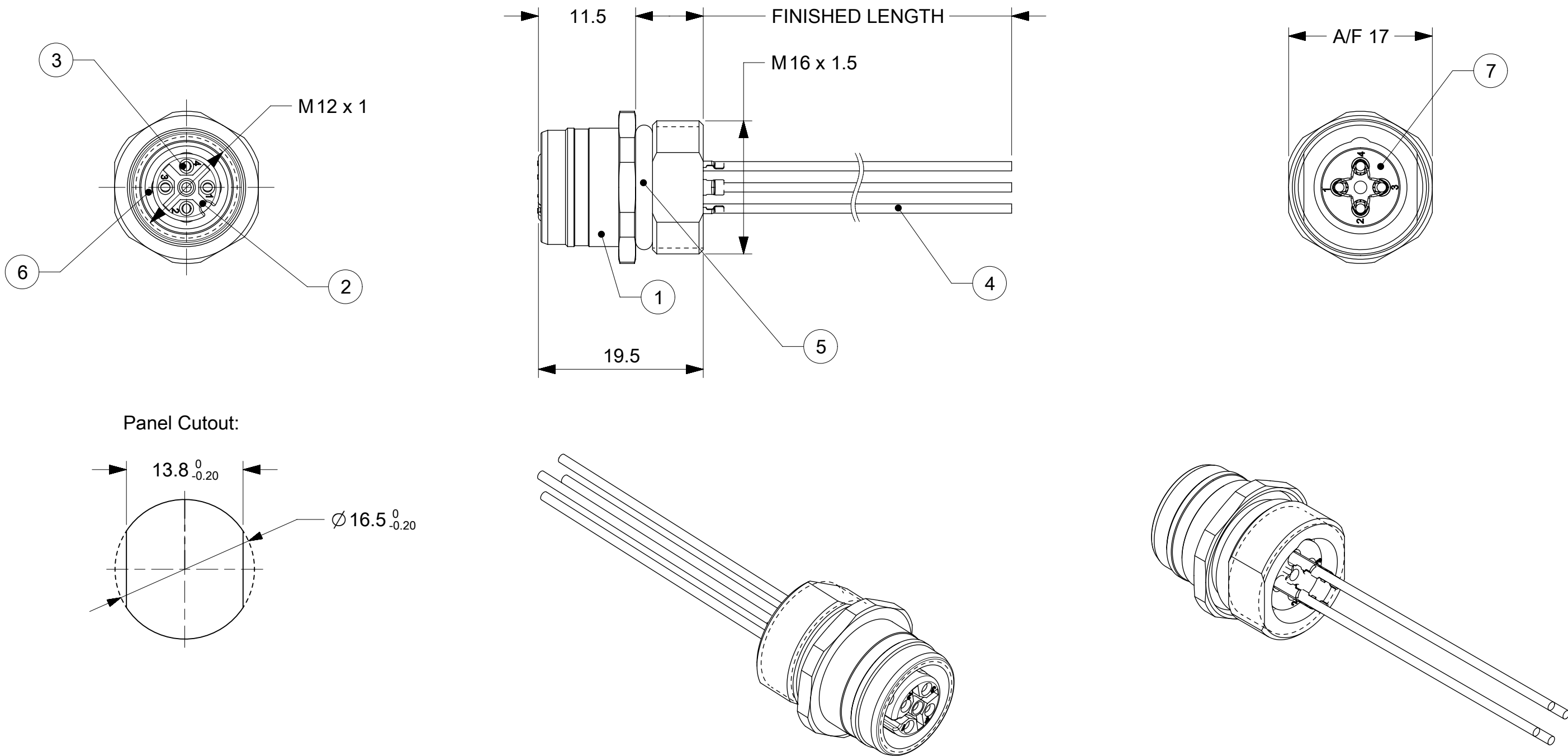


TABLE 1

| ITEM | QTY.     | COMPONENT        | MATERIAL    | FINISH        |
|------|----------|------------------|-------------|---------------|
| 1    | 1        | REC SHELL        | BRASS       | NICKEL PLATED |
| 2    | 1        | INSERT           | PUR         | BLACK         |
| 3    | 4/5/8/12 | CONTACT          | BRASS /GOLD | CuZn Ni/Au    |
| 4    | -        | WIRES            | COPPER/PVC  | NONE          |
| 5    | 1        | O-RING           | NBR         | BLACK         |
| 6    | 1        | O-RING           | VITON       | RED           |
| 7    | -        | POTTING MATERIAL | WEVO        | NONE          |

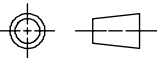
| THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION |                          |                                                      |  |                                                                                       |       |                                                                    |                 |                |              |
|-----------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|------------------------------------------------------|--|---------------------------------------------------------------------------------------|-------|--------------------------------------------------------------------|-----------------|----------------|--------------|
| EC NO: 169742<br>DRWN: RSILLER<br>CHK'D:<br>APPR: RSILLER                                                                                     | 2017/12/21<br>2017/12/21 | GENERAL TOLERANCES (UNLESS SPECIFIED)                |  | DIMENSION UNITS                                                                       | SCALE | <div>molex®</div> <div>REC U12 XP AC FE XM M16 FM WIR BRA AU</div> |                 |                |              |
|                                                                                                                                               |                          |                                                      |  | mm                                                                                    | 2:1   |                                                                    |                 |                |              |
|                                                                                                                                               |                          |                                                      |  | DRWN BY                                                                               |       |                                                                    |                 |                |              |
|                                                                                                                                               |                          | SSM                                                  |  | 2017/09/26                                                                            |       |                                                                    |                 |                |              |
|                                                                                                                                               |                          | CHK'D BY                                             |  | DATE                                                                                  |       |                                                                    |                 |                |              |
|                                                                                                                                               |                          | CHKD BY                                              |  |                                                                                       |       | PRODUCT CUSTOMER DRAWING                                           |                 |                |              |
|                                                                                                                                               |                          | APPR BY                                              |  | DATE                                                                                  |       |                                                                    |                 |                |              |
|                                                                                                                                               |                          | RSILLER                                              |  | 2017/12/15                                                                            |       |                                                                    |                 |                |              |
|                                                                                                                                               |                          | DRAWING SIZE                                         |  | THIRD ANGLE PROJECTION                                                                |       |                                                                    |                 |                |              |
|                                                                                                                                               |                          | A3                                                   |  |  |       |                                                                    |                 |                |              |
| A1                                                                                                                                            | REV                      | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS |  |                                                                                       |       | SERIES                                                             | MATERIAL NUMBER | CUSTOMER       |              |
|                                                                                                                                               |                          |                                                      |  |                                                                                       |       | 120084                                                             | SEE TABLE 2     | GENERAL MARKET |              |
|                                                                                                                                               |                          |                                                      |  |                                                                                       |       | DOCUMENT NUMBER                                                    | DOC TYPE        | DOC PART       | SHEET NUMBER |
|                                                                                                                                               |                          |                                                      |  |                                                                                       |       | 1200845107                                                         | PSD             | 000            | 1 OF 2       |

TABLE 4

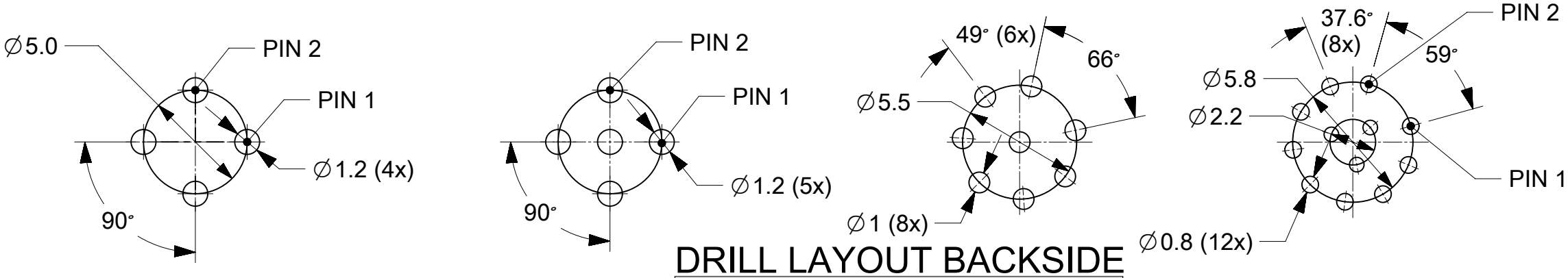
| IEC 60947-5-2 |               |
|---------------|---------------|
| PIN           | COLOR         |
| 1             | BROWN/braun   |
| 2             | WHITE/Weiß    |
| 3             | BLUE/blau     |
| 4             | BLACK/schwarz |
| 5             | GRAY/grau     |

TABLE 5

| DIN 47100 |                     |
|-----------|---------------------|
| PIN       | COLOR               |
| 1         | WHITE/Weiß          |
| 2         | BROWN/braun         |
| 3         | GREEN/Grün          |
| 4         | YELLOW/Gelb         |
| 5         | GREY/grau           |
| 6         | PINK/Rosa           |
| 7         | BLUE/blau           |
| 8         | RED/rot             |
| 9         | BLACK/schwarz       |
| 10        | PURPLE/lila         |
| 11        | GREY-PINK/grau-rosa |
| 12        | RED-BLUE/rot-Blau   |

TABLE 3

| MATERIAL-NO.                                                  | 1200845107                                               | 1200845113     | 1200845131             | 1200845137     |
|---------------------------------------------------------------|----------------------------------------------------------|----------------|------------------------|----------------|
| ENG-NO.                                                       | WR4U20E03C3003                                           | WR5U20E03C3003 | WR8U20E02C3003         | WRCU20E01C3003 |
| LAYOUT                                                        |                                                          |                |                        |                |
| VOLTAGE RATING                                                | 250V                                                     | 60V            | 30V                    | 30V            |
| CODING                                                        | A - Code                                                 | A - Code       | A - Code               | A - Code       |
| AMPERE RATING                                                 | 4A                                                       | 4A             | 2A                     | 1.5A           |
| PROTECTION CLASS<br>CONNECTOR INTERFACE<br>SHELL TO ENCLOSURE | IP 67/69K (in mated condition / when properly installed) |                |                        |                |
| OPERATING TEMP.                                               | -25°C / 85°C                                             |                |                        |                |
| UL CERTIFICATION                                              | FILE NO. E152210                                         |                |                        |                |
| CSA CERTIFICATION                                             | FILE NO. LR6837                                          |                |                        |                |
| WIRE LEAD                                                     | 0.34 mm² PVC                                             | 0.34 mm² PVC   | 0.25 mm² PVC           | 0.14 mm² PVC   |
| PIN DIAMETER                                                  | 1.0 mm                                                   | 1.0 mm         | 0.8 mm                 | 0.6 mm         |
| WIRE COLOR                                                    | ACCORDING TO IEC 60947-5-2                               |                | ACCORDING TO DIN 47100 |                |



DRILL LAYOUT BACKSIDE

TABLE 2

| MOLEX P/N  | ENGINEERING NR. | L [mm] | TOL | DESCRIPTION                              |
|------------|-----------------|--------|-----|------------------------------------------|
| 1200845107 | WR4U20E03C3003  | 300    | ±10 | REC U12 4P AC FE 0.3M M16 FM WIR BRA AU  |
| 1200845113 | WR5U20E03C3003  | 300    | ±10 | REC U12 5P AC FE 0.3M M16 FM WIR BRA AU  |
| 1200845131 | WR8U20E02C3003  | 300    | ±10 | REC U12 8P AC FE 0.3M M16 FM WIR BRA AU  |
| 1200845137 | WRCU20E01C3003  | 300    | ±10 | REC U12 12P AC FE 0.3M M16 FM WIR BRA AU |

2017/12/21

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EC NO: 169742

DRWN: RSILLER

CHK'D: RSILLER

APPR: RSILLER

REV

A1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.1

0 PLACES ± 0.2

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS

mm

DRWN BY

SSM

CHK'D BY

CHKD BY

APPR BY

RSILLER

DRAWING SIZE

A3

THIRD ANGLE PROJECTION

SCALE

2:1

DATE

2017/09/26

DATE

2017/12/15

DATE

REC U12 XP AC FE XM M16 FM WIR BRA AU

PRODUCT CUSTOMER DRAWING

SERIES

120084

MATERIAL NUMBER

SEE TABLE 2

CUSTOMER

GENERAL MARKET

DOCUMENT NUMBER

1200845107

DOC TYPE

PSD

DOC PART

000

SHEET NUMBER

2 OF 2