

TABLE 1

| ITEM | QTY | DESCRIPTION | MATERIAL | FINISH |
|------|----------|--------------------------|----------|----------------------------|
| 1 | - | WIRES | PVC | - |
| 2 | 4/5/8/12 | CONTACT M12 MALE | BRASS | SELECTIVE GOLD OVER NICKEL |
| 3 | - | POTTING MATERIAL | WEVO | - |
| 4 | 1 | INSERT U12 MALE XP BLACK | ULTRAMID | - |
| 5 | 1 | SHELL M12MA/M16MA BM | BRASS | NICKEL PLATED |
| 6 | 1 | NUT M16x1.5 | BRASS | NICKEL PLATED |
| 7 | 1 | GASKET BLACK | EPDM | - |

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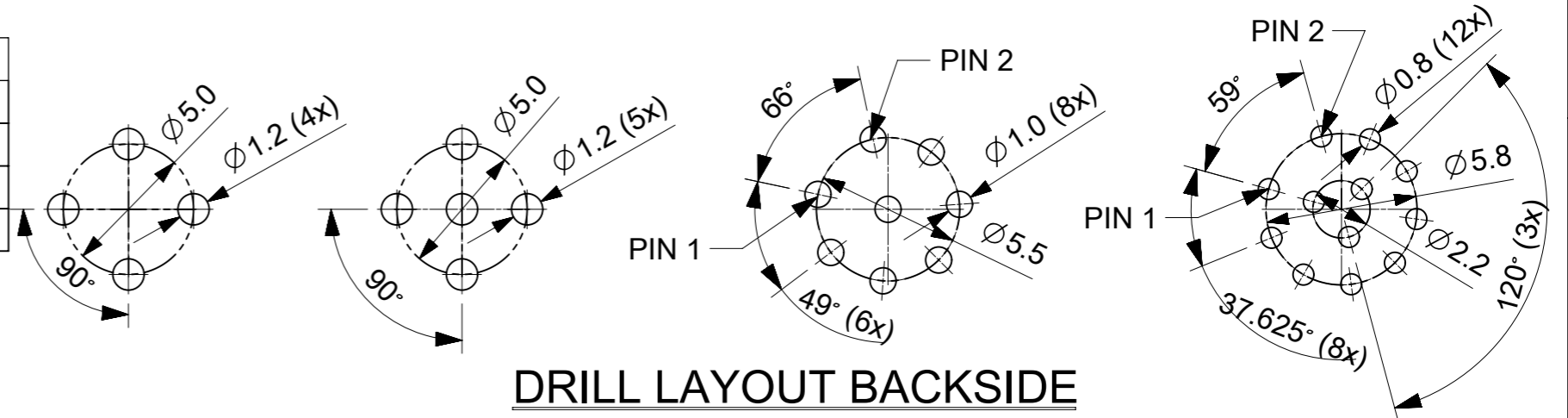
| | | | | |
|---|--|--|---|--|
| EC NO: 169750 DRWN: FGAIK CHK'D: APPR: RSILLER | 2017/05/18 2017/12/21 | GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± 1.0 ° | DIMENSION UNITS: mm SCALE: 2:1 | |
| | 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.05 1 PLACE ± 0.3 0 PLACES ± 0.5 | DRWN BY: FGAIK DATE: 2017/05/18 | PRODUCT CUSTOMER DRAWING | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | CHK'D BY: RSILLER DATE: 2017/12/21 | SERIES: 120084 MATERIAL NUMBER: SEE SHEET 2 CUSTOMER: GENERAL MARKET | |
| | A3 | APPR BY: RSILLER DATE: 2017/12/21 | DOCUMENT NUMBER: 1200845183 DOC TYPE: PSD DOC PART: 000 SHEET NUMBER: 1 OF 2 | |

| TABLE 2 | | | | | | |
|------------------------|--|-----------------------------|---------------|------------------------|---------------|----------------------|
| MOLEX PN: | 1200845183 | 1200845185 | 1200845187 | 1200845188 | 1200848138 | 1201090035 |
| ENGINEERING NO.: | WR4W46E03C3003 | WR5W46E03C3003 | WR8W46E02C300 | WRCW46E01C300 | WR8W46E02M010 | |
| POLES: | 4 POLES | 5 POLES | 8 POLES | 12 POLES | 8 POLES | 4 POLES |
| VOLTAGE RATING: | 250V | 60V | 30V | 30V | 30V | 250V |
| CODING | A - Code | A - Code | A - Code | A - Code | A - Code | D - Code |
| AMPERE RATING: | 4A | 4A | 2A | 1.5A | 2A | 4A |
| PROTECTION CLASS: | CONNECTOR INTERFACE: IP 67/69K (IN MATED CONDITION) SHELL TO ENCLOSURE: IP 67/69K (WHEN PROPERLY INSTALLED) | | | | | |
| OPERATING TEMPERATURE: | -25°C / +85°C | | | | | |
| UL CERTIFICATION: | FILE NO. E152210 | | | | | |
| CSA CERTIFICATION: | FILE NO. LR6837 | | | | | |
| WIRES: | 22 AWG PVC | 4x22 AWG PVC + 1x20 AWG PVC | 24 AWG PVC | 26 AWG PVC | 24 AWG PVC | 22 AWG PVC |
| WIRES' COLORS: | ACCORDING TO IEC 60947-5-2 | | | ACCORDING TO DIN 47100 | | ACCORDING TO TABLE 3 |
| L +Tol. [mm]: | 300±10 | 300±10 | 300±10 | 300±10 | 1000±20 | 300±10 |
| LAYOUT: | | | | | | |

| 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 |

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

| PIN | COLOR |
|-----|---------------|
| 1 | YELLOW/Gelb |
| 2 | WHITE/Weiß |
| 3 | ORANGE/Orange |
| 4 | BLUE/blau |



| TABLE 6 | | | | |
|------------|-----------------|--------|-----|--|
| MOLEX P/N | ENGINEERING NR. | L [mm] | TOL | DESCRIPTION |
| 1200845183 | WR4W46E03C3003 | 300 | ±10 | REC U12 4P AC MA 0.3M M16 BM WIR BRA AU |
| 1200845185 | WR5W46E03C3003 | 300 | ±10 | REC U12 5P AC MA 0.3M M16 BM WIR BRA AU |
| 1200845187 | WR8W46E02C3003 | 300 | ±10 | REC U12 8P AC MA 0.3M M16 BM WIR BRA AU |
| 1200845188 | WRCW46E01C3003 | 300 | ±10 | REC U12 12P AC MA 0.3M M16 BM WIR BRA AU |
| 1200848138 | WR8W46E02M0103 | 1000 | ±20 | REC U12 8P AC MA 1.0M M16 BM WIR BRA AU |
| 1201090035 | - | 300 | ±10 | REC U12 4P DC MA 0.3M M16 BM WIR BRA AU |

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| | | | | | | | |
|--|---------------------------------------|-----------------|------------------------|------------------------------------|-----------------|----------------|--------------|
| 2017/05/18 2017/12/21 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION UNITS | SCALE | molex® | | | |
| | | mm | 2:1 | | | | |
| EC NO.: 169750 DRWN: FGAIK CHK'D: RSILLER APPR: RSILLER | ANGULAR TOL ± 1.0 ° | DRWN BY | DATE | REC U12 XP XC MA STR XM M16 BM WIR | | | |
| | 4 PLACES ± | FGAIK | 2017/05/18 | | | | |
| A | 3 PLACES ± | CHK'D BY | DATE | PRODUCT CUSTOMER DRAWING | | | |
| | 2 PLACES ± 0.05 | | | | | | |
| REV | 1 PLACE ± 0.3 | APPR BY | DATE | SERIES | MATERIAL NUMBER | CUSTOMER | |
| | 0 PLACES ± 0.5 | RSILLER | 2017/12/21 | 120084 | SEE TABLE 2 | GENERAL MARKET | |
| DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | DRAWING SIZE | THIRD ANGLE PROJECTION | DOCUMENT NUMBER | DOC TYPE | DOC PART | SHEET NUMBER |
| | | A3 | | 1200845183 | PSD | 000 | 2 OF 2 |

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