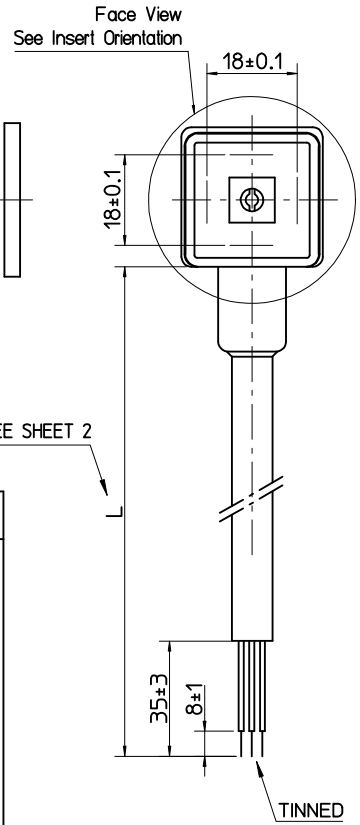
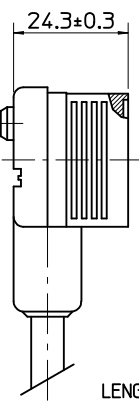
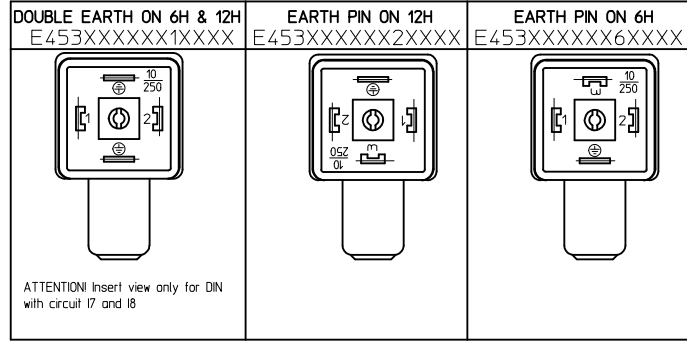


Type of Screw and Gasket, see sheet 2, PN Key



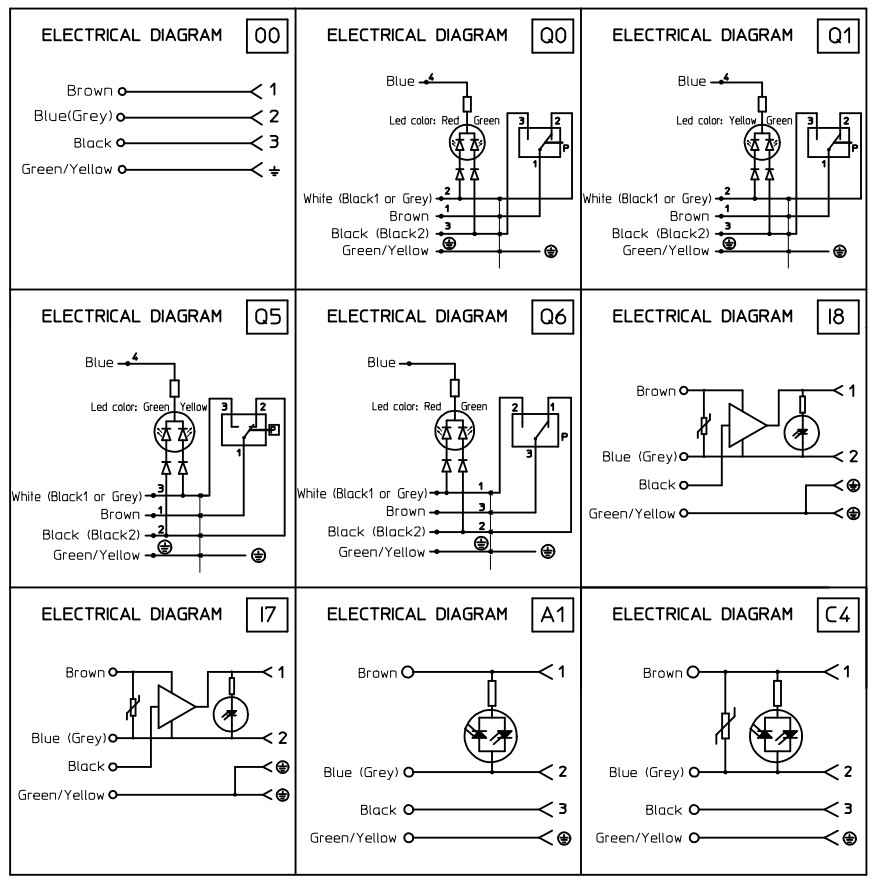
INSERT ORIENTATION



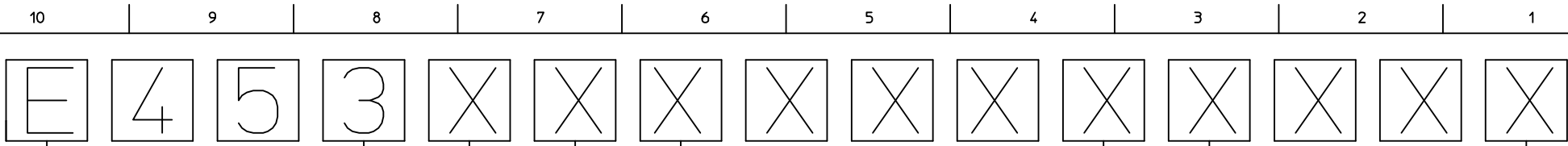
ATTENTION! Insert view only for DIN with circuit 17 and 18

| Table of length tolerances [mm] | | |
|---------------------------------|---------------------|---------------|
| Over | Up to and including | Tolerance (+) |
| 0 | 1000 | ±20 |
| 1000 | 3000 | ±30 |
| 3000 | 5000 | ±40 |
| 5000 | 10000 | ±50 |
| 10000 | 15000 | ±100 |
| 15000 | 20000 | ±150 |
| 20000 | | ±L/100 |

WIRING CONFIGURATION



| | | | | | | | |
|---|---|---|---|---|--------------|--|----------------------|
| Updated Diagram Q6 EC NO: IPG2015-2/150 DRWN: JMARSZALEK 2015/06/22 CHKD: APAM/AKO1 2015/06/22 APPR: MIWASIECZKO 2015/06/24 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE | SCALE | DESIGN UNITS | THIRD ANGLE PROJECTION | |
| | ▼=0 ▽=0 | mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- | (UNLESS SPECIFIED) mm INCH ± --- ± --- ± --- ± --- ± --- ± --- ± --- ± --- | MM ONLY DRAWN BY DATE JMARSZALEK 2012/11/27 CHECKED BY DATE MSZWAJKOWSKI 2012/11/27 APPROVED BY DATE MIWASIECZKO 2014/01/30 | | METRIC | |
| | ANGULAR ± --- ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | MATERIAL NO. SEE SHEET 2 & 4 | | TITLE E453XXXXXXXXXXXX DIN FORM A EN 175301-803 | |
| | | | | SIZE A3 | | DOCUMENT NO. SD-121050-006 | SHEET NO. 1 OF 10 |



E - Packing without bags
 W - Single packing
 Q - Quick packing

NUMBER OF WIRES:
 3=3 WIRES + EARTH
 OR
 3=4 WIRES + EARTH (FOR Q CIRCUIT)

CABLE TYPE
 SEE SHEET 3 - TABLE 1

CABLE CROSS SECTION AREA
 SEE SHEET 3 - TABLE 2

HEAD COLOUR:
 N=BLACK,
 A=CSA-UL BLACK,
 B=CSA-UL GREY.

CABLE LENGHT IN CM
 Eg.:050=50 CM, 300=300 CM, 10K=1000 CM.

EARTH PIN LOCATION (SEE INSERT ORIENTATION TABLE):
 1=DOUBLE EARTH ON 6H AND 12H,
 2=EARTH ON 12H,
 6=EARTH ON 6H.

TYPE OF GASKET AND SCREW:
 1=NBR PROFILE GASKET + FIXING SCREWS (M3x25 mm)
 2=NBR FLAT GASKET + FIXING SCREW (M3x25 mm)
 3=SILICONE PROFILE GASKET + FIXING SCREW (M3x25 mm)
 4=SILICON FLAT GASKET + FIXING SCREW (M3x25 mm)
 P=INTEGRATED GASKET ASSEMBLED + FIXING SCREW WITH WASHER ASSEMBLED (M3x27 mm)
 R=INTAGRATED GASKET + FIXING SCREW + WASHER (M3x27 mm)
 T=PROFILE GASKET + FIXING SCREW + WASHER (M3x27 mm)

INTERNAL CIRCUIT, WIRING CONFIGURATION

VOLTAGE AND LED COLOUR:
 NOTE: FOR CIRCUIT TYPE Q - BICOLOR LED - ONLY 1,2,3,4,5

| | | |
|---------|---------|---------|
| 1= 12V | A= 12V | G= 12V |
| 2= 24V | B= 24V | H= 24V |
| 3= 48V | C= 48V | K= 48V |
| 4= 115V | D= 115V | L= 115V |
| 5= 230V | E= 230V | M= 230V |

RED LED GREEN LED YELLOW LED

| | | | | | | | | |
|--|--|---------------------------------------|---|----------------------------|----------------|--------------|------------------------|------------------------|
| See Sheet 1 EC NO: IPG2015-2/150 DRWN: JMARSZALEK 2015/06/22 CHKD: APAMLAK01 2015/06/22 APPR: MIWASIECZKO 2015/06/24 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE MM ONLY | | SCALE 1:1 | DESIGN UNITS METRIC | FIRST ANGLE PROJECTION |
| | ▽=0 | mm | INCH | DRAWN BY | DATE | TITLE | | |
| | ∇=0 | 4 PLACES ± --- ± --- | JMARSZALEK | 2012/11/27 | E453XXXXXXXXXX | | | |
| | | 3 PLACES ± --- ± --- | CHECKED BY | DATE | DIN FORM A | | | |
| | | 2 PLACES ± --- ± --- | MSZWAJKOWSKI | 2012/11/27 | EN 175301-803 | | | |
| | 1 PLACE ± --- ± --- | APPROVED BY | DATE | molex | | | | |
| | 0 PLACE ± --- ± --- | MIWASIECZKO | 2014/01/30 | | | | | |
| | ANGULAR ± --- ° | MATERIAL NO. | DOCUMENT NO. | SHEET NO. | | | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SEE SHEET 2 & 4 | SD-121050-006 | 2 OF 10 | | | | |
| | | SIZE A3 | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | |

TABLE 2 - CABLES

| Cable type | Cable code | Wires no. | Cross Section | Jacket material | Jacket color | Diameter Ø [mm] | Wire colors |
|------------|------------|-----------|----------------------|----------------------|--------------|-----------------|-----------------------|
| I | 0 | 3 | 1 mm ² | PVC CEI 2022 II O.R. | Grey | 7.6±0.2 | BN, BU, GN/YE |
| A | 2 | 3 | 20 AWG | PVC CSA/UL 2661 | Black | 5.4±0.2 | BN, BU |
| A | 2 | 3 | 20 AWG | PVC CSA/UL 2661 | Black | 5.6±0.2 | BN, BU, GN/YE |
| A | 2 | 4 | 20 AWG | PVC CSA/UL 2661 | Black | 6.2±0.25 | BN, BU, BK, GN/YE |
| B | 2 | 2 | 20 AWG | PUR CSA/UL 20668 | Black | 5.8±0.2 | BN, BU |
| B | 2 | 3 | 20 AWG | PUR CSA/UL 20668 | Black | 5.8±0.2 | BN, BU, GN/YE |
| B | 2 | 4 | 20 AWG | PUR CSA/UL 20668 | Black | 6.3±0.2 | BN, BU, BK, GN/YE |
| D | 2 | 3 | 0.5 mm ² | PVC CEI 20-20 | Grey | 5.5+0.3/-0 | BN, BU, GN/YE |
| I | 2 | 2 | 0.5 mm ² | PVC CEI 2022 II O.R. | Grey | 5.5+0.3/-0 | BN, BU |
| I | 2 | 3 | 0.5 mm ² | PVC CEI 2022 II O.R. | Grey | 5.5+0.3/-0 | BN, BU, GN/YE |
| I | 2 | 4 | 0.5 mm ² | PVC CEI 2022 II O.R. | Grey | 6.5±0.2 | BN, BU, BK, GN/YE |
| I | 2 | 5 | 0.5 mm ² | PVC CEI 2022 II O.R. | Grey | 7.0 +0.3/-0 | BN, BU, BK, WH, GN/YE |
| N | 2 | 2 | 0.5 mm ² | PVC H03VV-F | Black | 5.2±0.2 | BN, BU |
| N | 2 | 3 | 0.5 mm ² | PVC H03VV-F | Black | 5.5±0.2 | BN, BU, GN/YE |
| N | 2 | 4 | 0.5 mm ² | PVC H03VV-F | Black | 5.9±0.3 | BN, BU, BK, GN/YE |
| P | 2 | 2 | 0.5 mm ² | PUR - BLEND | Black | 5.5±0.2 | BN, BU |
| P | 2 | 3 | 0.5 mm ² | PUR - BLEND | Black | 5.5 +0.3/-0 | BN, BU, GN/YE |
| P | 2 | 4 | 0.5 mm ² | PUR - BLEND | Black | 6.5±0.2 | BN, BU, BK, GN/YE |
| P | 2 | 5 | 0.5 mm ² | PUR - BLEND | Black | 7+0.3/-0.1 | BN, BU, BK, WH, GN/YE |
| A | 3 | 2 | 18 AWG | PVC CSA/UL 2661 | Black | 6.2±0.25 | BN, BU |
| A | 3 | 3 | 18 AWG | PVC CSA/UL 2661 | Black | 6.5±0.25 | BN, BU, GN/YE |
| A | 3 | 4 | 18 AWG | PVC CSA/UL 2661 | Black | 7.0+0.3/-0 | BN, BU, BK, GN/YE |
| A | 3 | 5 | 18 AWG | PVC CSA/UL 2661 | Black | 7.8±0.25 | BN, BU, BK, WH, GN/YE |
| B | 3 | 2 | 18 AWG | PUR CSA/UL 20668 | Black | 6.2±0.2 | BN, BU |
| B | 3 | 3 | 18 AWG | PUR CSA/UL 20668 | Black | 6.5±0.2 | BN, BU, GN/YE |
| B | 3 | 4 | 18 AWG | PUR CSA/UL 20668 | Black | 7±0.2 | BN, BU, BK, GN/YE |
| B | 3 | 5 | 18 AWG | PUR CSA/UL 20668 | Black | 7.8±0.25 | BN, BU, BK, WH, GN/YE |
| D | 3 | 3 | 0.75 mm ² | PVC CEI 20-20 | Grey | 6.5±0.2 | BN, BU, GN/YE |
| D | 3 | 4 | 0.75 mm ² | PVC CEI 20-20 | Grey | 7.1±0.2 | BN, BU, BK, GN/YE |
| I | 3 | 2 | 0.75 mm ² | PVC CEI 2022 II O.R. | Grey | 5.5±0.2 | BK1, BK2 |
| I | 3 | 3 | 0.75 mm ² | PVC CEI 2022 II O.R. | Grey | 6.0±0.2 | BK1, BK2, BK3 |
| I | 3 | 4 | 0.75 mm ² | PVC CEI 2022 II O.R. | Grey | 7.0±0.2 | BN, BU, BK, GN/YE |
| N | 3 | 2 | 0.75 mm ² | PVC H05VV-F | Black | 6.2±0.2 | BN, BU |
| N | 3 | 3 | 0.75 mm ² | PVC H05VV-F | Black | 6.5±0.2 | BN, BU, GN/YE |
| N | 3 | 4 | 0.75 mm ² | PVC H05VV-F | Black | 7.1±0.2 | BN, BU, BK, GN/YE |
| N | 3 | 5 | 0.75 mm ² | PVC H05VV-F | Black | 8.0+0.2/-0 | BN, BU, BK, GY, GN/YE |
| P | 3 | 2 | 0.75 mm ² | PUR - BLEND | Black | 6.5±0.2 | BN, BU |
| P | 3 | 3 | 0.75 mm ² | PUR - BLEND | Black | 6.5±0.2 | BN, BU, GN/YE |
| P | 3 | 4 | 0.75 mm ² | PUR - BLEND | Black | 7.0±0.2 | BN, BU, BK, GN/YE |

TABLE 2 - CABLES

| Cable type | Cable code | Wires no. | Cross Section | Jacket material | Jacket color | Diameter Ø [mm] | Wire colors |
|------------|------------|-----------|----------------------|----------------------|--------------|-----------------|-------------------|
| R | 3 | 3 | 0.75 mm ² | TPR HAL. FREE | Black | 6.5±0.2 | BN, BU, GN/YE |
| T | 3 | 3 | 0.75 mm ² | PUR CSA/UL 20668 | Yellow | 6.5±0.2 | BN, BU, GN/YE |
| Y | 3 | 3 | 0.75 mm ² | SILICONE RUBBER | Red | 6.5±0.2 | BN, BU, GN/YE |
| F | 4 | 3 | 1 mm ² | PVC CNOMO | Grey | 7.1+0.2/-0 | BK1, BK2, GN/YE |
| I | 4 | 2 | 1 mm ² | PVC CEI 2022 II O.R. | Grey | 7.1+0.2/-0 | BN, BU |
| I | 4 | 3 | 1 mm ² | PVC CEI 2022 II O.R. | Grey | 7.1+0.2/-0 | BN, BU, GN/YE |
| N | 4 | 2 | 1 mm ² | PVC H05VV-F | Black | 6.5±0.2 | BN, BU |
| N | 4 | 3 | 1 mm ² | PVC H05VV-F | Black | 6.9±0.2 | BN, BU, GN/YE |
| R | 4 | 3 | 1 mm ² | TPR HAL. FREE | Black | 7.1±0.2 | BN, BU, GN/YE |
| N | 5 | 3 | 1.5 mm ² | PVC H05VV-F | Black | 7.9±0.2 | BN, BU, GN/YE |
| I | 6 | 2 | 0.35 mm ² | PVC CEI 2011 | Grey | 4.8±0.2 | BN, WH |
| I | 9 | 4 | 0.75 mm ² | PVC CEI 2022 II | Grey | 7.3±0.2 | BN, BU, BK, GN/YE |

TABLE 1 - CABLES TYPE

| Code | Cable types | Features | Cable type Cross section |
|------|-------------|---|---|
| N | PVC | Application general purpose cable which has good resistance to water, but usually poor oil resistance. | N2=0.5 mm ² N3=0.75 mm ² N4=1 mm ² |
| I | CEI | Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils. | I2=0.5 mm ² I3=0.75 mm ² I4=1 mm ² |
| P | PUR | Offer good resistance to oil and chemicals. Can swell when constantly immersed in water. | P2=0.5 mm ² P3=0.75 mm ² P4=1 mm ² |
| A | PVC CSA-UL | Approved to CSA-UL 2661, application general purpose cable which has good resistance to water, but usually poor oil resistance. | A2=20 AWG A3=18 AWG |
| B | PUR CSA-UL | Approved to CSA-UL 20668, very good resistance to oil and chemicals. | B2=20 AWG B3=18 AWG |

| | | | | | | | |
|---|---|--|--|----------------------|------------------------|------------------------|--|
| See Sheet 1 EC NO: IPG2015-2150 DRWN: JMARSZALEK 2015/06/22 CHKD: APAMLAK01 2015/06/22 APPR: MIWASIECZKO 2015/06/24 | QUALITY SYMBOLS ▽=0 ▽=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH | DIMENSION STYLE MM ONLY | SCALE 1:1 | DESIGN UNITS METRIC | FIRST ANGLE PROJECTION | |
| | 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- | DRAWN BY DATE JMARSZALEK 2012/11/27 CHECKED BY DATE MSZWAJKOWSKI 2012/11/27 APPROVED BY DATE MIWASIECZKO 2014/01/30 | TITLE E453XXXXXXXXXX DIN FORM A EN 175301-803 | | | | |
| | ANGULAR ± --- ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | MATERIAL NO. SEE SHEET 2 & 4 | DOCUMENT NO. SD-121050-006 | SHEET NO. 3 OF 10 | | | |
| | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | | | | |

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

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TABLE 3 - PART LIST

| Pos. | Molex PN: | Engineering No.: | Pos. | Molex PN: | Engineering No.: | Pos. | Molex PN: | Engineering No.: | Pos. | Molex PN: | Engineering No.: |
|------|------------|------------------|------|------------|------------------|------|------------|------------------|------|------------|------------------|
| 1 | 1210400521 | E453A3A30022000 | 41 | 1210401307 | W453P3N50062000 | 81 | 1210502979 | E453P2N10K2P002 | 121 | 2210507761 | E453A2A10K21175 |
| 2 | 1210400522 | E453A3A30062000 | 42 | 1210500839 | E45313N20021002 | 82 | 1210502980 | E453P2N5002R002 | 122 | 2210507762 | E453A2A10K2117A |
| 3 | 1210400524 | E453B3A10062000 | 43 | 1210500842 | E45313N30021002 | 83 | 1210503016 | E453B3A30063002 | 123 | 2210507763 | E453A2A10K2117B |
| 4 | 1210400525 | E453B3A10K22000 | 44 | 1210500844 | E45313N30021012 | 84 | 1210503019 | E453N3N30021A1H | 124 | 2210507764 | E453A2A10K2117C |
| 5 | 1210400526 | E453B3A10K62000 | 45 | 1210500845 | E45313N30021062 | 85 | 1210503035 | E453N2N20061C42 | 125 | 2210507765 | E453A2A10K2117D |
| 6 | 1210400527 | E453B3A30022000 | 46 | 1210500848 | E45313N30061012 | 86 | 1210503043 | E453P3N3001P17H | 126 | 2210507766 | E453A2A10K2117E |
| 7 | 1210400528 | E453B3A30062000 | 47 | 1210500854 | E45313N50021012 | 87 | 1210503107 | E453A3A15021002 | 127 | 2210507767 | E453A2A10K2117G |
| 8 | 1210400529 | E453B3A50022000 | 48 | 1210500858 | E45313N50061012 | 88 | 1210503108 | E453A3A30021002 | 128 | 2210507768 | E453A2A10K2117H |
| 9 | 1210400530 | E453B3A50062000 | 49 | 1210500875 | E453N3N50022002 | 89 | 1210503109 | E453A3A50021002 | 129 | 2210507769 | E453A2A10K2117K |
| 10 | 1210400537 | E453N3N10022000 | 50 | 1210500888 | E453P2N30021001 | 90 | 1210503110 | E453A3A75021002 | 130 | 2210507770 | E453A2A10K2117L |
| 11 | 1210400538 | E453N3N10062000 | 51 | 1210500889 | E453P2N30021002 | 91 | 1210503111 | E453A3A10K21002 | 131 | 2210507771 | E453A2A10K2117M |
| 12 | 1210400539 | E453N3N30022000 | 52 | 1210500895 | E453P2N30061012 | 92 | 1210503124 | E45312N50021062 | 132 | 2210507772 | E453A2A15011000 |
| 13 | 1210400540 | E453N3N30062000 | 53 | 1210501705 | E453N3N50021002 | 93 | 1210503134 | E453N3N05021012 | 133 | 2210507773 | E453A2A15021171 |
| 14 | 1210400541 | E453N3N50022000 | 54 | 1210501787 | E453N3N30061002 | 94 | 1210503230 | E453N3N40061C42 | 134 | 2210507774 | E453A2A15021172 |
| 15 | 1210400542 | E453N3N50062000 | 55 | 1210501794 | E45313N10K61002 | 95 | 1210503249 | E453P2N50021002 | 135 | 2210507775 | E453A2A15021173 |
| 16 | 1210400544 | E453P3N10022000 | 56 | 1210501823 | E453P2N50061012 | 96 | 1210503251 | E453N3N10K2RC4B | 136 | 2210507776 | E453A2A15021174 |
| 17 | 1210400545 | E453P3N10062000 | 57 | 1210501848 | E453P3N4001117H | 97 | 1210503252 | E453N3N10K2RC4A | 137 | 2210507777 | E453A2A15021175 |
| 18 | 1210400547 | E453P3N30022000 | 58 | 1210501868 | E453P2N30021052 | 98 | 1210503430 | E45312N15K61012 | 138 | 2210507778 | E453A2A1502117A |
| 19 | 1210400548 | E453P3N30062000 | 59 | 1210501869 | E453P2N50021052 | 99 | 1210503434 | E453N3N25021C4H | 139 | 2210507779 | E453A2A1502117B |
| 20 | 1210400550 | E453P3N50022000 | 60 | 1210502033 | E453P3N4001118H | 100 | 2210507740 | E453A2A10011000 | 140 | 2210507780 | E453A2A1502117C |
| 21 | 1210400551 | E453P3N50062000 | 61 | 1210502131 | E45312N30021002 | 101 | 2210507741 | E453A2A10021171 | 141 | 2210507781 | E453A2A1502117D |
| 22 | 1210400675 | E453A3A50022000 | 62 | 1210502409 | E45312N20021012 | 102 | 2210507742 | E453A2A10021172 | 142 | 2210507782 | E453A2A1502117E |
| 23 | 1210400684 | E453N3N10K62000 | 63 | 1210502410 | E45312N30021012 | 103 | 2210507743 | E453A2A10021173 | 143 | 2210507783 | E453A2A1502117G |
| 24 | 1210400696 | E453A3A10K22000 | 64 | 1210502440 | E45312N50021012 | 104 | 2210507744 | E453A2A10021174 | 144 | 2210507784 | E453A2A1502117H |
| 25 | 1210400697 | E453A3A50062000 | 65 | 1210502446 | E45313N80021012 | 105 | 2210507745 | E453A2A10021175 | 145 | 2210507785 | E453A2A1502117K |
| 26 | 1210400698 | E453A3A10K62000 | 66 | 1210502452 | E453B3A50061002 | 106 | 2210507746 | E453A2A1002117A | 146 | 2210507786 | E453A2A1502117L |
| 27 | 1210400796 | E453N3N20062000 | 67 | 1210502453 | E453B3A10K21002 | 107 | 2210507747 | E453A2A1002117B | 147 | 2210507787 | E453A2A1502117M |
| 28 | 1210400833 | E453A3A10022000 | 68 | 1210502454 | E453B3A50021002 | 108 | 2210507748 | E453A2A1002117C | 148 | 2210507788 | E453A2A20011000 |
| 29 | 1210400864 | E453B2A30022000 | 69 | 1210502455 | E453B3A30021002 | 109 | 2210507749 | E453A2A1002117D | 149 | 2210507789 | E453A2A20021171 |
| 30 | 1210400937 | E453N3N2002P000 | 70 | 1210502473 | E45313N5002R002 | 110 | 2210507750 | E453A2A1002117E | 150 | 2210507790 | E453A2A20021172 |
| 31 | 1210400953 | E453N3N1002P000 | 71 | 1210502517 | E45312N10K21012 | 111 | 2210507751 | E453A2A1002117G | 151 | 2210507791 | E453A2A20021173 |
| 32 | 1210400967 | E453N3N5002P000 | 72 | 1210502535 | E453P2N10K61012 | 112 | 2210507752 | E453A2A1002117H | 152 | 2210507792 | E453A2A20021174 |
| 33 | 1210400973 | E453P3N2502P000 | 73 | 1210502557 | E45312N50021002 | 113 | 2210507753 | E453A2A1002117K | 153 | 2210507793 | E453A2A20021175 |
| 34 | 1210400974 | E453P3N2002P000 | 74 | 1210502562 | E453N3N30022C44 | 114 | 2210507754 | E453A2A1002117L | 154 | 2210507794 | E453A2A2002117A |
| 35 | 1210400980 | E453A3A15K62000 | 75 | 1210502603 | E453P3N5001118H | 115 | 2210507755 | E453A2A1002117M | 155 | 2210507795 | E453A2A2002117B |
| 36 | 1210401232 | W453P3N30022000 | 76 | 1210502668 | E45312N30021062 | 116 | 2210507756 | E453A2A10K11000 | 156 | 2210507796 | E453A2A2002117C |
| 37 | 1210401236 | W453N3N30022000 | 77 | 1210502941 | W45313N5002R002 | 117 | 2210507757 | E453A2A10K21171 | 157 | 2210507797 | E453A2A2002117D |
| 38 | 1210401264 | E453P3N5002P000 | 78 | 1210502964 | W45313N2002R002 | 118 | 2210507758 | E453A2A10K21172 | 158 | 2210507798 | E453A2A2002117E |
| 39 | 1210401266 | W453N3N50022000 | 79 | 1210502966 | W453A3A10K2R002 | 119 | 2210507759 | E453A2A10K21173 | 159 | 2210507799 | E453A2A2002117G |
| 40 | 1210401267 | W453N3N50062000 | 80 | 1210502972 | E453N2N80011172 | 120 | 2210507760 | E453A2A10K21174 | 160 | 2210507800 | E453A2A2002117H |

| | | | | | | | |
|--|---|---------------------------------------|--|-----------------|---|---|------------------------|
| See Sheet 1 EC NO: IPG2015-2150 DRWN: JMARSZALEK 2015/06/22 CHKD: APAMLA01 2015/06/22 APPR: MIWASIECZKO 2015/06/24 | QUALITY SYMBOLS | GENERAL TOLERANCES (UNLESS SPECIFIED) | | DIMENSION STYLE | SCALE | DESIGN UNITS | FIRST ANGLE PROJECTION |
| |  =0 | mm | INCH | MM ONLY | 1:1 | METRIC | |
| |  =0 | 4 PLACES ± --- ± --- | | DRAWN BY | DATE | TITLE | |
| | | 3 PLACES ± --- ± --- | | JMARSZALEK | 2012/11/27 | E453XXXXXXXXXX DIN FORM A EN 175301-803 | |
| | | 2 PLACES ± --- ± --- | | CHECKED BY | DATE |  | |
| | 1 PLACE ± --- ± --- | | MSZWAJKOWSKI | 2012/11/27 | | | |
| | 0 PLACE ± --- ± --- | | APPROVED BY | DATE | MATERIAL NO. | DOCUMENT NO. | SHEET NO. |
| | | | MIWASIECZKO | 2014/01/30 | SEE SHEET 2 & 4 | SD-121050-006 | 4 OF 10 |
| | | | ANGULAR ±---° | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
| | | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | | | |

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TABLE 3 - PART LIST

| Pos. | MolEx PN: | Engineering No.: | Pos. | MolEx PN: | Engineering No.: | Pos. | MolEx PN: | Engineering No.: | Pos. | MolEx PN: | Engineering No.: | Pos. | MolEx PN: | Engineering No.: |
|------|------------|------------------|------|------------|------------------|------|------------|------------------|------|------------|------------------|------|------------|------------------|
| 201 | 2210507841 | E453A3A10021175 | 241 | 2210507881 | E453A3A1502117K | 281 | 2210507921 | E453A3A50021175 | 321 | 2210507961 | E453B2A10K2117K | 361 | 2210508001 | E453B2A30021175 |
| 202 | 2210507842 | E453A3A1002117A | 242 | 2210507882 | E453A3A1502117L | 282 | 2210507922 | E453A3A5002117A | 322 | 2210507962 | E453B2A10K2117L | 362 | 2210508002 | E453B2A3002117A |
| 203 | 2210507843 | E453A3A1002117B | 243 | 2210507883 | E453A3A1502117M | 283 | 2210507923 | E453A3A5002117B | 323 | 2210507963 | E453B2A10K2117M | 363 | 2210508003 | E453B2A3002117B |
| 204 | 2210507844 | E453A3A1002117C | 244 | 2210507884 | E453A3A20011000 | 284 | 2210507924 | E453A3A5002117C | 324 | 2210507964 | E453B2A15011000 | 364 | 2210508004 | E453B2A3002117C |
| 205 | 2210507845 | E453A3A1002117D | 245 | 2210507885 | E453A3A20021171 | 285 | 2210507925 | E453A3A5002117D | 325 | 2210507965 | E453B2A15021171 | 365 | 2210508005 | E453B2A3002117D |
| 206 | 2210507846 | E453A3A1002117E | 246 | 2210507886 | E453A3A20021172 | 286 | 2210507926 | E453A3A5002117E | 326 | 2210507966 | E453B2A15021172 | 366 | 2210508006 | E453B2A3002117E |
| 207 | 2210507847 | E453A3A1002117G | 247 | 2210507887 | E453A3A20021173 | 287 | 2210507927 | E453A3A5002117G | 327 | 2210507967 | E453B2A15021173 | 367 | 2210508007 | E453B2A3002117G |
| 208 | 2210507848 | E453A3A1002117H | 248 | 2210507888 | E453A3A20021174 | 288 | 2210507928 | E453A3A5002117H | 328 | 2210507968 | E453B2A15021174 | 368 | 2210508008 | E453B2A3002117H |
| 209 | 2210507849 | E453A3A1002117K | 249 | 2210507889 | E453A3A20021175 | 289 | 2210507929 | E453A3A5002117K | 329 | 2210507969 | E453B2A15021175 | 369 | 2210508009 | E453B2A3002117K |
| 210 | 2210507850 | E453A3A1002117L | 250 | 2210507890 | E453A3A2002117A | 290 | 2210507930 | E453A3A5002117L | 330 | 2210507970 | E453B2A1502117A | 370 | 2210508010 | E453B2A3002117L |
| 211 | 2210507851 | E453A3A1002117M | 251 | 2210507891 | E453A3A2002117B | 291 | 2210507931 | E453A3A5002117M | 331 | 2210507971 | E453B2A1502117B | 371 | 2210508011 | E453B2A3002117M |
| 212 | 2210507852 | E453A3A10K11000 | 252 | 2210507892 | E453A3A2002117C | 292 | 2210507932 | E453B2A10011000 | 332 | 2210507972 | E453B2A1502117C | 372 | 2210508012 | E453B2A50011000 |
| 213 | 2210507853 | E453A3A10K21171 | 253 | 2210507893 | E453A3A2002117D | 293 | 2210507933 | E453B2A10021171 | 333 | 2210507973 | E453B2A1502117D | 373 | 2210508013 | E453B2A50021171 |
| 214 | 2210507854 | E453A3A10K21172 | 254 | 2210507894 | E453A3A2002117E | 294 | 2210507934 | E453B2A10021172 | 334 | 2210507974 | E453B2A1502117E | 374 | 2210508014 | E453B2A50021172 |
| 215 | 2210507855 | E453A3A10K21173 | 255 | 2210507895 | E453A3A2002117G | 295 | 2210507935 | E453B2A10021173 | 335 | 2210507975 | E453B2A1502117G | 375 | 2210508015 | E453B2A50021173 |
| 216 | 2210507856 | E453A3A10K21174 | 256 | 2210507896 | E453A3A2002117H | 296 | 2210507936 | E453B2A10021174 | 336 | 2210507976 | E453B2A1502117H | 376 | 2210508016 | E453B2A50021174 |
| 217 | 2210507857 | E453A3A10K21175 | 257 | 2210507897 | E453A3A2002117K | 297 | 2210507937 | E453B2A10021175 | 337 | 2210507977 | E453B2A1502117K | 377 | 2210508017 | E453B2A50021175 |
| 218 | 2210507858 | E453A3A10K2117A | 258 | 2210507898 | E453A3A2002117L | 298 | 2210507938 | E453B2A1002117A | 338 | 2210507978 | E453B2A1502117L | 378 | 2210508018 | E453B2A5002117A |
| 219 | 2210507859 | E453A3A10K2117B | 259 | 2210507899 | E453A3A2002117M | 299 | 2210507939 | E453B2A1002117B | 339 | 2210507979 | E453B2A1502117M | 379 | 2210508019 | E453B2A5002117B |
| 220 | 2210507860 | E453A3A10K2117C | 260 | 2210507900 | E453A3A30011000 | 300 | 2210507940 | E453B2A1002117C | 340 | 2210507980 | E453B2A20011000 | 380 | 2210508020 | E453B2A5002117C |
| 221 | 2210507861 | E453A3A10K2117D | 261 | 2210507901 | E453A3A30021171 | 301 | 2210507941 | E453B2A1002117D | 341 | 2210507981 | E453B2A20021171 | 381 | 2210508021 | E453B2A5002117D |
| 222 | 2210507862 | E453A3A10K2117E | 262 | 2210507902 | E453A3A30021172 | 302 | 2210507942 | E453B2A1002117E | 342 | 2210507982 | E453B2A20021172 | 382 | 2210508022 | E453B2A5002117E |
| 223 | 2210507863 | E453A3A10K2117G | 263 | 2210507903 | E453A3A30021173 | 303 | 2210507943 | E453B2A1002117G | 343 | 2210507983 | E453B2A20021173 | 383 | 2210508023 | E453B2A5002117G |
| 224 | 2210507864 | E453A3A10K2117H | 264 | 2210507904 | E453A3A30021174 | 304 | 2210507944 | E453B2A1002117H | 344 | 2210507984 | E453B2A20021174 | 384 | 2210508024 | E453B2A5002117H |
| 225 | 2210507865 | E453A3A10K2117K | 265 | 2210507905 | E453A3A30021175 | 305 | 2210507945 | E453B2A1002117K | 345 | 2210507985 | E453B2A20021175 | 385 | 2210508025 | E453B2A5002117K |
| 226 | 2210507866 | E453A3A10K2117L | 266 | 2210507906 | E453A3A3002117A | 306 | 2210507946 | E453B2A1002117L | 346 | 2210507986 | E453B2A2002117A | 386 | 2210508026 | E453B2A5002117L |
| 227 | 2210507867 | E453A3A10K2117M | 267 | 2210507907 | E453A3A3002117B | 307 | 2210507947 | E453B2A1002117M | 347 | 2210507987 | E453B2A2002117B | 387 | 2210508027 | E453B2A5002117M |
| 228 | 2210507868 | E453A3A15011000 | 268 | 2210507908 | E453A3A3002117C | 308 | 2210507948 | E453B2A10K11000 | 348 | 2210507988 | E453B2A2002117C | 388 | 2210508028 | E453B3A10011000 |
| 229 | 2210507869 | E453A3A15021171 | 269 | 2210507909 | E453A3A3002117D | 309 | 2210507949 | E453B2A10K21171 | 349 | 2210507989 | E453B2A2002117D | 389 | 2210508029 | E453B3A10021171 |
| 230 | 2210507870 | E453A3A15021172 | 270 | 2210507910 | E453A3A3002117E | 310 | 2210507950 | E453B2A10K21172 | 350 | 2210507990 | E453B2A2002117E | 390 | 2210508030 | E453B3A10021172 |
| 231 | 2210507871 | E453A3A15021173 | 271 | 2210507911 | E453A3A3002117G | 311 | 2210507951 | E453B2A10K21173 | 351 | 2210507991 | E453B2A2002117G | 391 | 2210508031 | E453B3A10021173 |
| 232 | 2210507872 | E453A3A15021174 | 272 | 2210507912 | E453A3A3002117H | 312 | 2210507952 | E453B2A10K21174 | 352 | 2210507992 | E453B2A2002117H | 392 | 2210508032 | E453B3A10021174 |
| 233 | 2210507873 | E453A3A15021175 | 273 | 2210507913 | E453A3A3002117K | 313 | 2210507953 | E453B2A10K21175 | 353 | 2210507993 | E453B2A2002117K | 393 | 2210508033 | E453B3A10021175 |
| 234 | 2210507874 | E453A3A1502117A | 274 | 2210507914 | E453A3A3002117L | 314 | 2210507954 | E453B2A10K2117A | 354 | 2210507994 | E453B2A2002117L | 394 | 2210508034 | E453B3A1002117A |
| 235 | 2210507875 | E453A3A1502117B | 275 | 2210507915 | E453A3A3002117M | 315 | 2210507955 | E453B2A10K2117B | 355 | 2210507995 | E453B2A2002117M | 395 | 2210508035 | E453B3A1002117B |
| 236 | 2210507876 | E453A3A1502117C | 276 | 2210507916 | E453A3A50011000 | 316 | 2210507956 | E453B2A10K2117C | 356 | 2210507996 | E453B2A30011000 | 396 | 2210508036 | E453B3A1002117C |
| 237 | 2210507877 | E453A3A1502117D | 277 | 2210507917 | E453A3A50021171 | 317 | 2210507957 | E453B2A10K2117D | 357 | 2210507997 | E453B2A30021171 | 397 | 2210508037 | E453B3A1002117D |
| 238 | 2210507878 | E453A3A1502117E | 278 | 2210507918 | E453A3A50021172 | 318 | 2210507958 | E453B2A10K2117E | 358 | 2210507998 | E453B2A30021172 | 398 | 2210508038 | E453B3A1002117E |
| 239 | 2210507879 | E453A3A1502117G | 279 | 2210507919 | E453A3A50021173 | 319 | 2210507959 | E453B2A10K2117G | 359 | 2210507999 | E453B2A30021173 | 399 | 2210508039 | E453B3A1002117G |
| 240 | 2210507880 | E453A3A1502117H | 280 | 2210507920 | E453A3A50021174 | 320 | 2210507960 | E453B2A10K2117H | 360 | 2210508000 | E453B2A30021174 | 400 | 2210508040 | E453B3A1002117H |

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|--|-------------------------------|--|---|--|------------------------|------------------------|
| See Sheet 1 EC NO: IPG2015-2150 DRWN: JMARSZALEK 2015/06/22 CHKD: APAM LAKO1 2015/06/22 APPR: MIWASIECZKO 2015/06/24 | QUALITY SYMBOLS ▽=0 ◊=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) | DIMENSION STYLE MM ONLY | SCALE 1:1 | DESIGN UNITS METRIC | FIRST ANGLE PROJECTION |
| | DESCRIPTION | mm INCH | DRAWN BY DATE JMARSZALEK 2012/11/27 | TITLE E453XXXXXXXXXX DIN FORM A EN 175301-803 | | |
| REV | | 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- | CHECKED BY DATE MSZWAJKOWSKI 2012/11/27 | molex | | |
| | | ANGULAR ± --- ° | APPROVED BY DATE MIWASIECZKO 2014/01/30 | MATERIAL NO. | DOCUMENT NO. | SHEET NO. |
| | | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | SIZE A3 | SEE SHEET 2 & 4 | SD-121050-006 | 5 OF 10 |
| | | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | | |

TABLE 3 - PART LIST

| Pos. | Molex PN: | Engineering No.: | Pos. | Molex PN: | Engineering No.: | Pos. | Molex PN: | Engineering No.: | Pos. | Molex PN: | Engineering No.: | Pos. | Molex PN: | Engineering No.: |
|------|------------|------------------|------|------------|------------------|------|------------|------------------|------|-----------|------------------|------|-----------|------------------|
| 1201 | 2210508841 | E453P2N3002100G | 1241 | 2210508881 | E453P3N10K21175 | 1281 | 2210508921 | E453P3N2002117K | | | | | | |
| 1202 | 2210508842 | E453P2N3002100H | 1242 | 2210508882 | E453P3N10K2117A | 1282 | 2210508922 | E453P3N2002117L | | | | | | |
| 1203 | 2210508843 | E453P2N3002100K | 1243 | 2210508883 | E453P3N10K2117B | 1283 | 2210508923 | E453P3N2002117M | | | | | | |
| 1204 | 2210508844 | E453P2N3002100L | 1244 | 2210508884 | E453P3N10K2117C | 1284 | 2210508924 | E453P3N30011000 | | | | | | |
| 1205 | 2210508845 | E453P2N3002100M | 1245 | 2210508885 | E453P3N10K2117D | 1285 | 2210508925 | E453P3N30021171 | | | | | | |
| 1206 | 2210508846 | E453P2N50021001 | 1246 | 2210508886 | E453P3N10K2117E | 1286 | 2210508926 | E453P3N30021172 | | | | | | |
| 1207 | 2210508847 | E453P2N50021003 | 1247 | 2210508887 | E453P3N10K2117G | 1287 | 2210508927 | E453P3N30021173 | | | | | | |
| 1208 | 2210508848 | E453P2N50021004 | 1248 | 2210508888 | E453P3N10K2117H | 1288 | 2210508928 | E453P3N30021174 | | | | | | |
| 1209 | 2210508849 | E453P2N50021005 | 1249 | 2210508889 | E453P3N10K2117K | 1289 | 2210508929 | E453P3N30021175 | | | | | | |
| 1210 | 2210508850 | E453P2N5002100A | 1250 | 2210508890 | E453P3N10K2117L | 1290 | 2210508930 | E453P3N3002117A | | | | | | |
| 1211 | 2210508851 | E453P2N5002100B | 1251 | 2210508891 | E453P3N10K2117M | 1291 | 2210508931 | E453P3N3002117B | | | | | | |
| 1212 | 2210508852 | E453P2N5002100C | 1252 | 2210508892 | E453P3N15011000 | 1292 | 2210508932 | E453P3N3002117C | | | | | | |
| 1213 | 2210508853 | E453P2N5002100D | 1253 | 2210508893 | E453P3N15021171 | 1293 | 2210508933 | E453P3N3002117D | | | | | | |
| 1214 | 2210508854 | E453P2N5002100E | 1254 | 2210508894 | E453P3N15021172 | 1294 | 2210508934 | E453P3N3002117E | | | | | | |
| 1215 | 2210508855 | E453P2N5002100G | 1255 | 2210508895 | E453P3N15021173 | 1295 | 2210508935 | E453P3N3002117G | | | | | | |
| 1216 | 2210508856 | E453P2N5002100H | 1256 | 2210508896 | E453P3N15021174 | 1296 | 2210508936 | E453P3N3002117H | | | | | | |
| 1217 | 2210508857 | E453P2N5002100K | 1257 | 2210508897 | E453P3N15021175 | 1297 | 2210508937 | E453P3N3002117K | | | | | | |
| 1218 | 2210508858 | E453P2N5002100L | 1258 | 2210508898 | E453P3N1502117A | 1298 | 2210508938 | E453P3N3002117L | | | | | | |
| 1219 | 2210508859 | E453P2N5002100M | 1259 | 2210508899 | E453P3N1502117B | 1299 | 2210508939 | E453P3N3002117M | | | | | | |
| 1220 | 2210508860 | E453P3N10011000 | 1260 | 2210508900 | E453P3N1502117C | 1300 | 2210508940 | E453P3N50011000 | | | | | | |
| 1221 | 2210508861 | E453P3N10021171 | 1261 | 2210508901 | E453P3N1502117D | 1301 | 2210508941 | E453P3N50021171 | | | | | | |
| 1222 | 2210508862 | E453P3N10021172 | 1262 | 2210508902 | E453P3N1502117E | 1302 | 2210508942 | E453P3N50021172 | | | | | | |
| 1223 | 2210508863 | E453P3N10021173 | 1263 | 2210508903 | E453P3N1502117G | 1303 | 2210508943 | E453P3N50021173 | | | | | | |
| 1224 | 2210508864 | E453P3N10021174 | 1264 | 2210508904 | E453P3N1502117H | 1304 | 2210508944 | E453P3N50021174 | | | | | | |
| 1225 | 2210508865 | E453P3N10021175 | 1265 | 2210508905 | E453P3N1502117K | 1305 | 2210508945 | E453P3N50021175 | | | | | | |
| 1226 | 2210508866 | E453P3N1002117A | 1266 | 2210508906 | E453P3N1502117L | 1306 | 2210508946 | E453P3N5002117A | | | | | | |
| 1227 | 2210508867 | E453P3N1002117B | 1267 | 2210508907 | E453P3N1502117M | 1307 | 2210508947 | E453P3N5002117B | | | | | | |
| 1228 | 2210508868 | E453P3N1002117C | 1268 | 2210508908 | E453P3N20011000 | 1308 | 2210508948 | E453P3N5002117C | | | | | | |
| 1229 | 2210508869 | E453P3N1002117D | 1269 | 2210508909 | E453P3N20021171 | 1309 | 2210508949 | E453P3N5002117D | | | | | | |
| 1230 | 2210508870 | E453P3N1002117E | 1270 | 2210508910 | E453P3N20021172 | 1310 | 2210508950 | E453P3N5002117E | | | | | | |
| 1231 | 2210508871 | E453P3N1002117G | 1271 | 2210508911 | E453P3N20021173 | 1311 | 2210508951 | E453P3N5002117G | | | | | | |
| 1232 | 2210508872 | E453P3N1002117H | 1272 | 2210508912 | E453P3N20021174 | 1312 | 2210508952 | E453P3N5002117H | | | | | | |
| 1233 | 2210508873 | E453P3N1002117K | 1273 | 2210508913 | E453P3N20021175 | 1313 | 2210508953 | E453P3N5002117K | | | | | | |
| 1234 | 2210508874 | E453P3N1002117L | 1274 | 2210508914 | E453P3N2002117A | 1314 | 2210508954 | E453P3N5002117L | | | | | | |
| 1235 | 2210508875 | E453P3N1002117M | 1275 | 2210508915 | E453P3N2002117B | 1315 | 2210508955 | E453P3N5002117M | | | | | | |
| 1236 | 2210508876 | E453P3N10K11000 | 1276 | 2210508916 | E453P3N2002117C | 1316 | 1210500877 | E453P2G50062002 | | | | | | |
| 1237 | 2210508877 | E453P3N10K21171 | 1277 | 2210508917 | E453P3N2002117D | 1317 | 1210503525 | E453P2N15K61012 | | | | | | |
| 1238 | 2210508878 | E453P3N10K21172 | 1278 | 2210508918 | E453P3N2002117E | 1318 | 1210503585 | E453B3A3002P002 | | | | | | |
| 1239 | 2210508879 | E453P3N10K21173 | 1279 | 2210508919 | E453P3N2002117G | | | | | | | | | |
| 1240 | 2210508880 | E453P3N10K21174 | 1280 | 2210508920 | E453P3N2002117H | | | | | | | | | |

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|--|--|--|--|--|--|
| ADD NEW PN'S EC NO: IPG2015-2150 DRWN: JMARSZALEK 2015/06/22 CHKD: APAMLAKO1 2015/06/22 APPR: MIWASIECZKO 2015/06/24 | QUALITY SYMBOLS ▽=0 ◻=0 | GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± --- | DIMENSION STYLE MM ONLY DRAWN BY DATE JMARSZALEK 2012/11/27 CHECKED BY DATE MSZWAJKOWSKI 2012/11/27 APPROVED BY DATE MIWASIECZKO 2014/01/30 | SCALE 1:1 DESIGN UNITS METRIC FIRST ANGLE PROJECTION | TITLE E453XXXXXXXXXX DIN FORM A EN 175301-803 molex |
| | MATERIAL NO. SEE SHEET 2 & 4 | DOCUMENT NO. SD-121050-006 | SHEET NO. 10 OF 10 | | |
| | DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS | | THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION | | |
| | | | | | |