

10

9

8

7

6

5

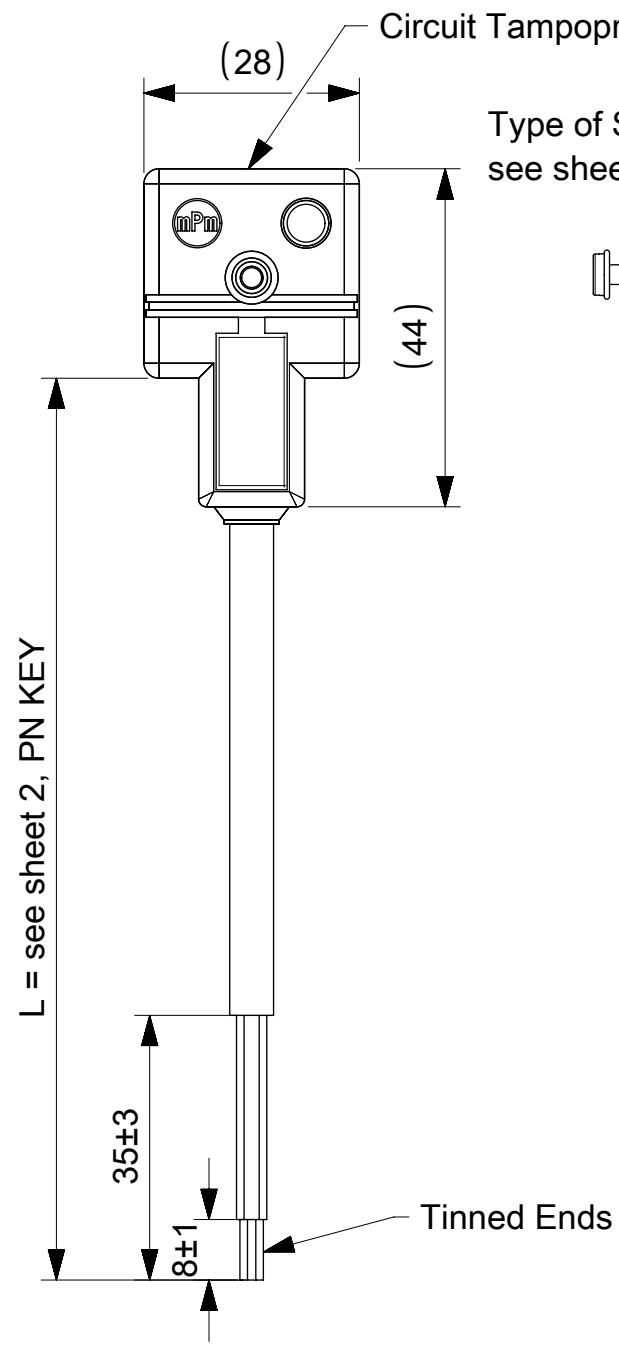
4

3

2

1

L = see sheet 2, PN KEY



Type of Screw and Gasket
see sheet 2, PN KEY

Face View (see Insert Orientation)

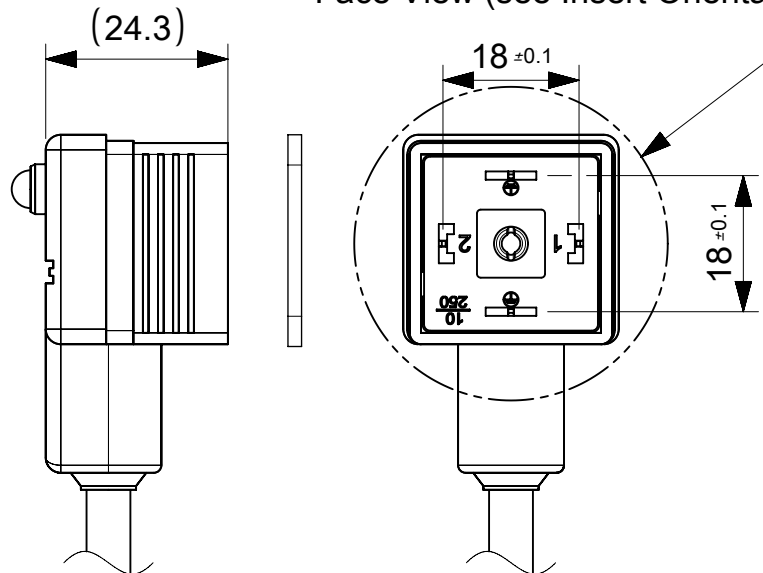


TABLE OF LENGTH TOLERANCES [mm]		
Over	Up to and Including	Tolerance
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

Type of Screws and Gaskets

Profiled Gasket	Flat Gasket	Integrated Gasket	Screw M3x25
			Screw M3x27 + Washer
			NBR Washer

INSERT ORIENTATION

Housing 2 Poles + 2 Earths	Housing 3 Poles + 1 Earth
Earth H6/H12 E452XXXXXX1XXXX	Earth H12 E452XXXXXX2XXXX PIN 3 Not Used
Earth H3/H9 E452XXXXXX4XXXX	Earth H3 E452XXXXXX3XXXX PIN 3 Not Used
Earth H6/H12 E452XXXXXX1XC3X E452XXXXXX1XC7X E452XXXXXX1XR0X E452XXXXXX1XR2X Insert rotated 180°	Earth H6 E452XXXXXX6XXXX PIN 3 Not Used
	Earth H9 E452XXXXXX9XXXX PIN 3 Not Used

SYMBOLS

▽ = 0

▽ = 0

▽ = 0

▽ = 0

▽ = 0

▽ = 0

▽ = 0

▽ = 0

▽ = 0

▽ = 0

▽ = 0

▽ = 0

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

1:1

CURRENT REV DESC:

EC NO: 603741

DRWN: APAWLAK01

CHK'D: RSILLER

APPR: RSILLER

2018/07/13

2018/08/31

2018/08/31

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL

±

°

4 PLACES

±

3 PLACES

±

2 PLACES

±

1 PLACE

±

0 PLACES

±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

A3-SIZE

SERIES

121050

MATERIAL NUMBER

SEE 1210502000_PDP

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 3

molex

STANDARD E452 DIN FORM A EN 175301-803

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

1210502000

DOC TYPE

PSD

DOC PART

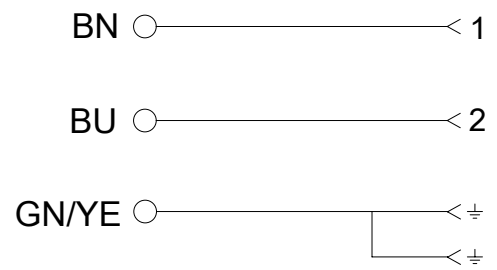
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REVISION

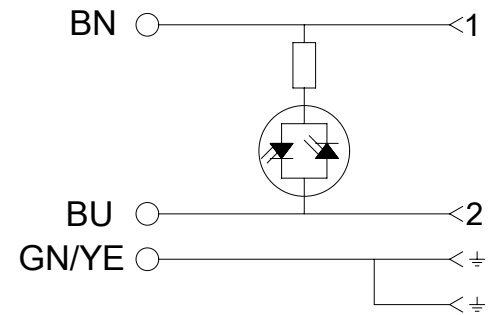
A

WIRING DIAGRAMS

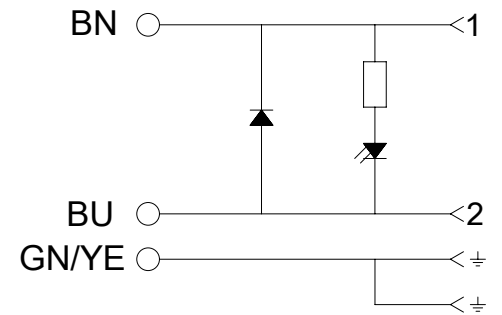
ELECTRICAL DIAGRAM 00



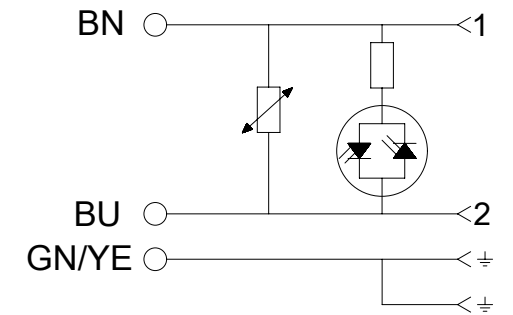
ELECTRICAL DIAGRAM A1



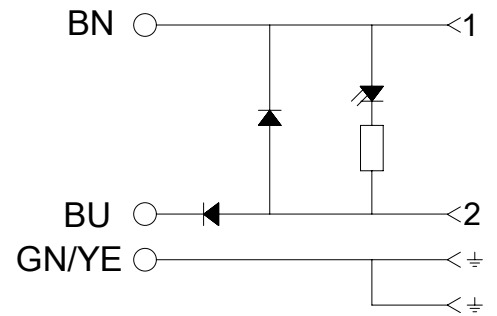
ELECTRICAL DIAGRAM C3



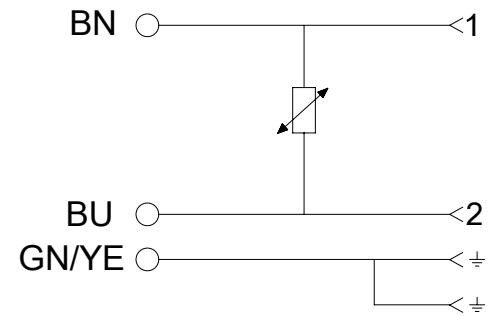
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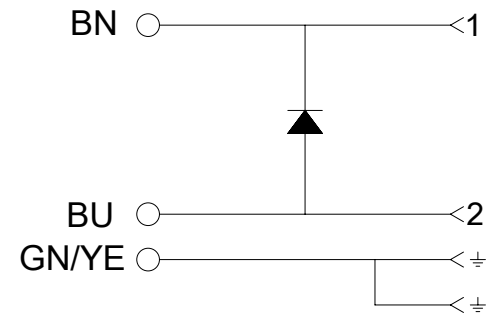
ELECTRICAL DIAGRAM C7



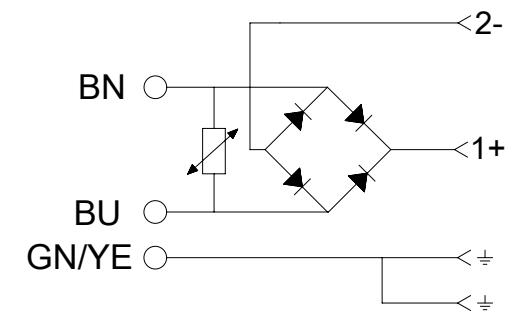
ELECTRICAL DIAGRAM D0



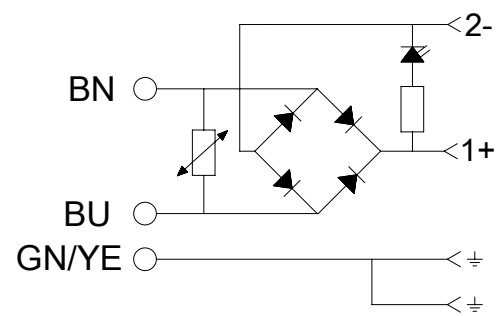
ELECTRICAL DIAGRAM E0



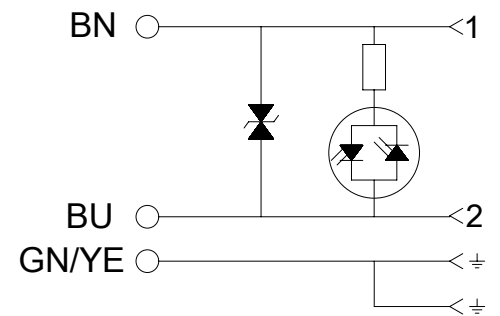
ELECTRICAL DIAGRAM R0



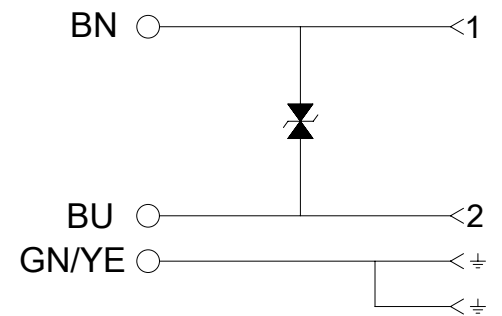
ELECTRICAL DIAGRAM R2



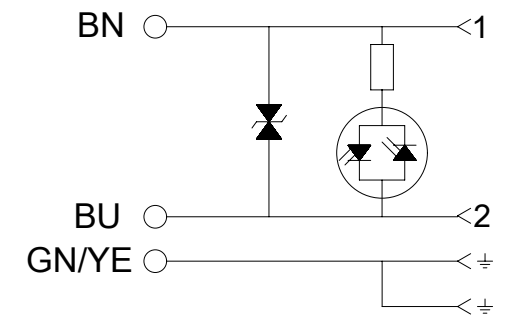
ELECTRICAL DIAGRAM S0



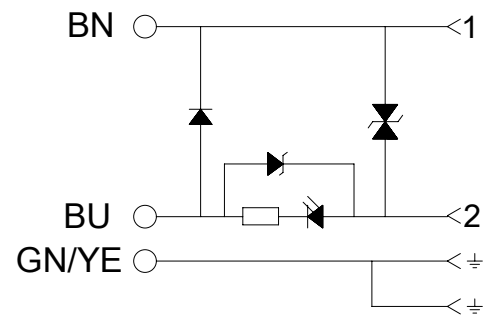
ELECTRICAL DIAGRAM S1



ELECTRICAL DIAGRAM S3



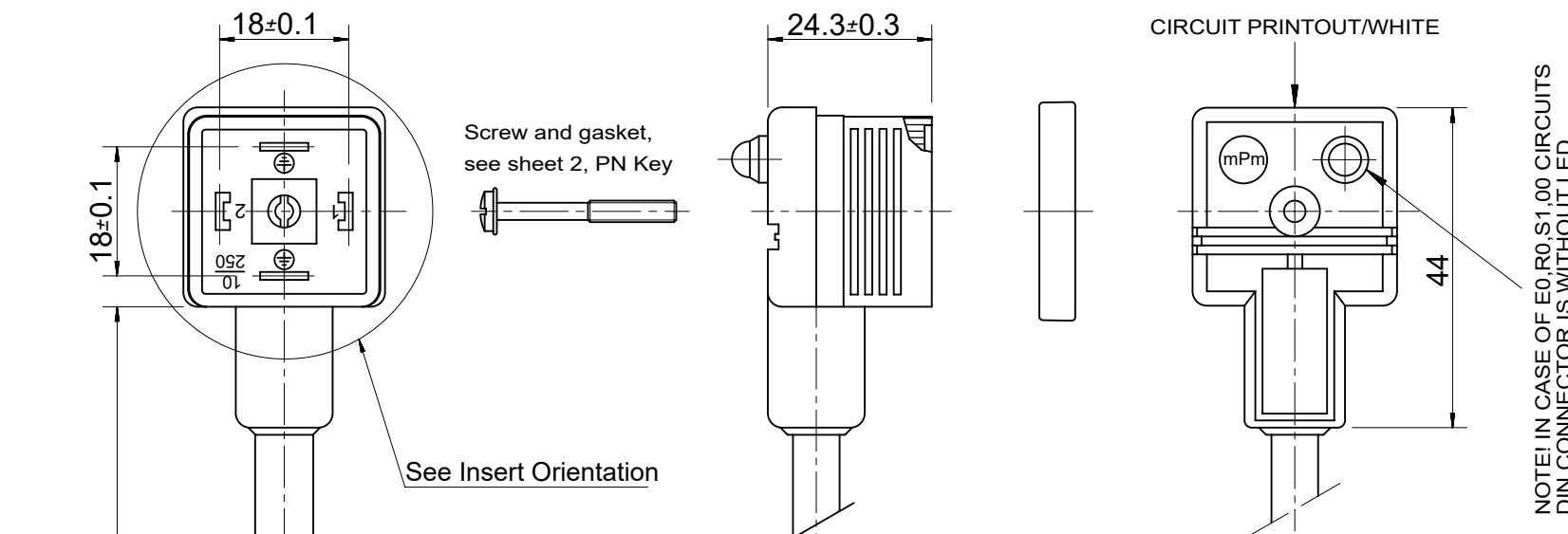
ELECTRICAL DIAGRAM NS



Technical Spec:
Supply Voltage: See PN KEY
Max. current: 5A; A1-C4-S0
1,5A; R2
Contact Resistance: ≤15milliohms max.
Operating Temperature:
with NBR Gasket: -40°C +90°C
with Silicone: -40°C +125°C

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
▽ = 0	mm	1:1
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
▽ = 0		
▽ = 0	ANGULAR TOL	± °
▽ = 0	4 PLACES	±
▽ = 0	3 PLACES	±
▽ = 0	2 PLACES	±
▽ = 0	1 PLACE	±
▽ = 0	0 PLACES	±
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
▽ = 0	THIRD ANGLE PROJECTION	
▽ = 0	DRAWING	SERIES
▽ = 0	A3-SIZE	121050
CURRENT REV DESC:		
EC NO: 603741		
DRWN: APAWLAK01 2018/07/13		
CHK'D: RSILLER 2018/08/31		
APPR: RSILLER 2018/08/31		
INITIAL REVISION:		
DRWN: APAWLAK01 2018/07/13		
APPR: RSILLER 2018/08/31		
DOCUMENT NUMBER		
1210502000		
DOC TYPE		
PSD		
DOC PART		
000		
REVISION		
A		
MATERIAL NUMBER		
SEE 1210502000_PDP		
CUSTOMER		
GENERAL MARKET		
SHEET NUMBER		
3 OF 3		

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/31	12:24:53
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DOUBLE EARTH ON 6H & 12H E452XXXXXX1XXXX	EARTH PIN ON 12H E452XXXXXX2XXXX	EARTH PIN ON 6H E452XXXXXX6XXXX
DOUBLE EARTH ON 3H & 9H E452XXXXXX4XXXX	EARTH PIN ON 3H E452XXXXXX3XXXX	EARTH PIN ON 9H E452XXXXXX9XXXX

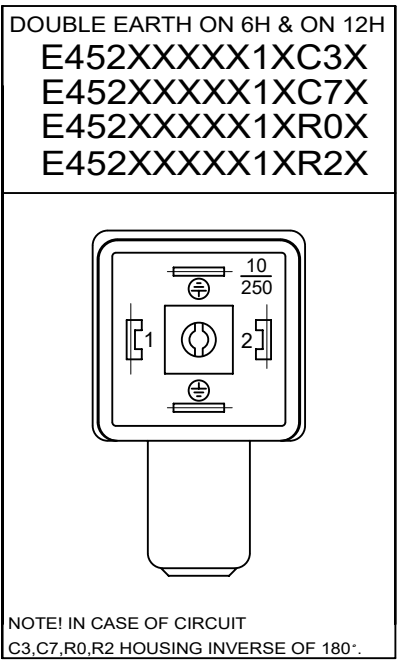
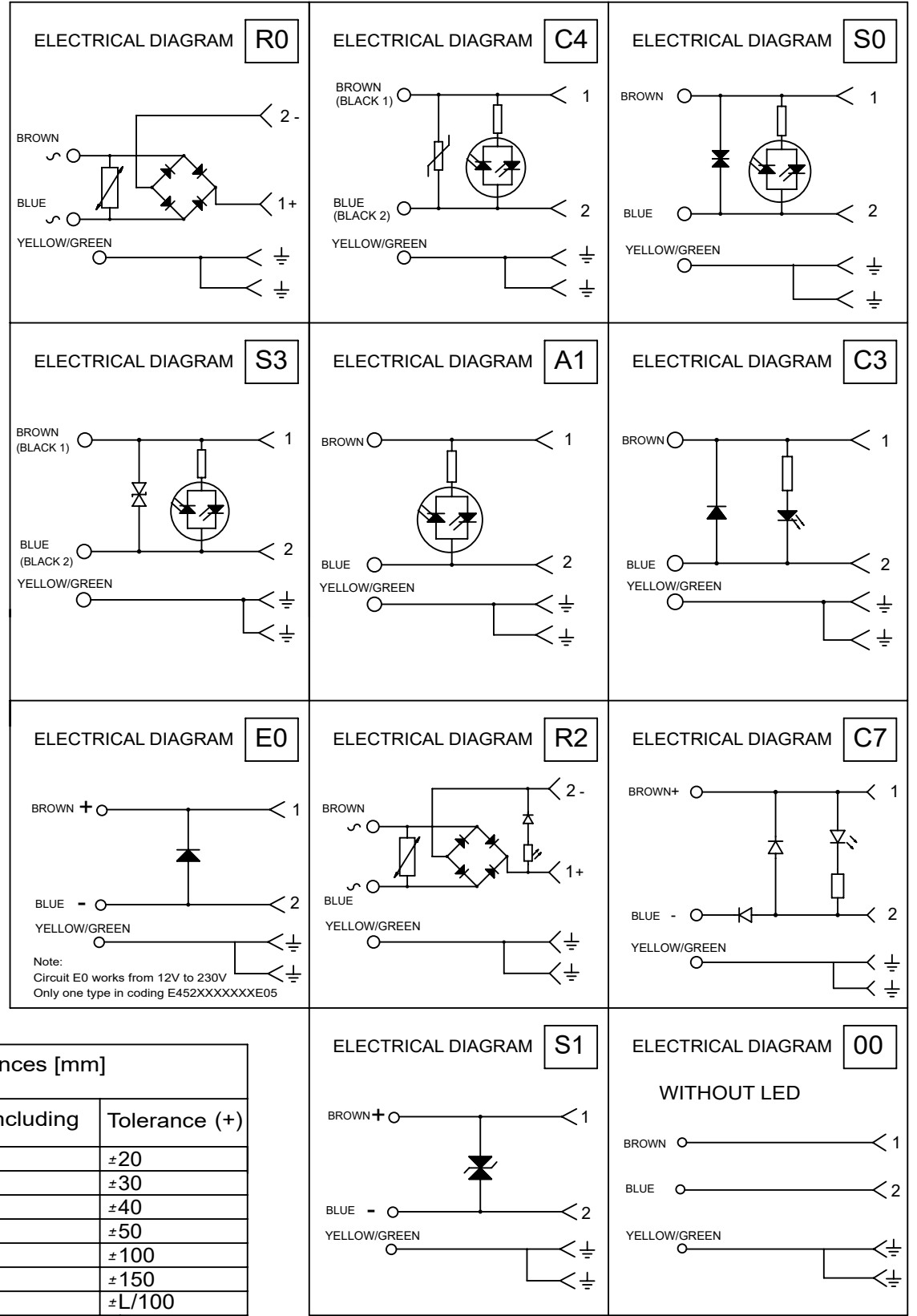


Table of length tolerances [mm]		
Over	Up to and including	Tolerance (+)
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

WIRING CONFIGURATION



NOTES:
1. FOR HARNESS WITH GROUND ONLY IN:
3H,6H,9H or 12H PIN 3 IS N/C.

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

mm

SCALE

NTS

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	±
2 PLACES	±	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± °	

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

FIRST ANGLE PROJECTION

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183

EC NO: 826028

DRWN: SANATK1

CHK'D: GGA

APPR: GGA

2025/05/06

2025/06/30

2025/06/30

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: MDYSZEWSKA

2012/08/27

2012/08/20

moLEX

E452XXXXXXXXXX

DIN FORM A EN 175301-803

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER

SD-121050-001

DOC TYPE

PSD

DOC PART

001

REVISION

E2

MATERIAL NUMBER

SEE TABLE

CUSTOMER

GENERAL MARKET

SHEET NUMBER

1 OF 28

DOCUMENT STATUS

P1

RELEASE DATE

2025/06/30

13:30:42

9

8

7

6

5

4

3

2

1

[illegible]

10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
TABLE 2 - CABLES					TABLE 2 - CABLES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
<table><tr><th>Molex PN Raw cable</th><th>Cable type</th><th>Cable code</th><th>Wires no.</th><th>Cross Section</th><th>Jacket material</th><th>Jacket color</th><th>Diameter Ø [mm]</th><th>Wire colors</th></tr><tr><td>1210180080</td><td>I</td><td>0</td><td>3</td><td>1 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>6.4±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180467</td><td>A</td><td>2</td><td>2</td><td>20 AWG</td><td>PVC CSA/UL 2661</td><td>Black</td><td>5.4±0.2</td><td>BN, BU</td></tr><tr><td>1210180128</td><td>A</td><td>2</td><td>3</td><td>20 AWG</td><td>PVC CSA/UL 2661</td><td>Black</td><td>5.6±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180394</td><td>A</td><td>2</td><td>4</td><td>20 AWG</td><td>PVC CSA/UL 2661</td><td>Black</td><td>6.2±0.25</td><td>BN, BU, BK, GN/YE</td></tr><tr><td>1210180297</td><td>B</td><td>2</td><td>2</td><td>20 AWG</td><td>PUR CSA/UL 20668</td><td>Black</td><td>5.6±0.2</td><td>BN, BU</td></tr><tr><td>1210180126</td><td>B</td><td>2</td><td>3</td><td>20 AWG</td><td>PUR CSA/UL 20668</td><td>Black</td><td>5.6±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180387</td><td>B</td><td>2</td><td>4</td><td>20 AWG</td><td>PUR CSA/UL 20668</td><td>Black</td><td>6.3±0.2</td><td>BN, BU, BK, GN/YE</td></tr><tr><td>1210180122</td><td>D</td><td>2</td><td>3</td><td>0.5 mm²</td><td>PVC CEI 20-20</td><td>Grey</td><td>5.5±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180047</td><td>I</td><td>2</td><td>2</td><td>0.5 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>5.5+0.3/-0</td><td>BN, BU</td></tr><tr><td>1210180284</td><td>I</td><td>2</td><td>3</td><td>0.5 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>5.5+0.3/-0</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180146</td><td>I</td><td>2</td><td>4</td><td>0.5 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>6.5±0.2</td><td>BN, BU, BK, GN/YE</td></tr><tr><td>1210180177</td><td>I</td><td>2</td><td>5</td><td>0.5 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>7.0 +0.3/-0</td><td>BN, BU, BK, WH, GN/YE</td></tr><tr><td>1210180022</td><td>N</td><td>2</td><td>2</td><td>0.5 mm²</td><td>PVC H03VV-F</td><td>Black</td><td>5.2±0.2</td><td>BN, BU</td></tr><tr><td>1202092753</td><td>N</td><td>2</td><td>3</td><td>0.5 mm²</td><td>PVC H03VV-F</td><td>Black</td><td>5.5±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180153</td><td>N</td><td>2</td><td>4</td><td>0.5 mm²</td><td>PVC H03VV-F</td><td>Black</td><td>5.9±0.3</td><td>BN, BU, BK, GN/YE</td></tr><tr><td>1210180046</td><td>P</td><td>2</td><td>2</td><td>0.5 mm²</td><td>PUR - BLEND</td><td>Black</td><td>5.5±0.2</td><td>BN, BU</td></tr><tr><td>1202092439</td><td>P</td><td>2</td><td>3</td><td>0.5 mm²</td><td>PUR - BLEND</td><td>Black</td><td>5.5 +0.3/-0</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180302</td><td>P</td><td>2</td><td>4</td><td>0.5 mm²</td><td>PUR - BLEND</td><td>Black</td><td>6.5±0.2</td><td>BN, BU, BK, GN/YE</td></tr><tr><td>1202092215</td><td>P</td><td>2</td><td>5</td><td>0.5 mm²</td><td>PUR - BLEND</td><td>Black</td><td>7+0.3/-0.1</td><td>BN, BU, BK, WH, GN/YE</td></tr><tr><td>1210180409</td><td>A</td><td>3</td><td>2</td><td>18 AWG</td><td>PVC CSA/UL 2661</td><td>Black</td><td>6.2±0.25</td><td>BN, BU</td></tr><tr><td>1210180129</td><td>A</td><td>3</td><td>3</td><td>18 AWG</td><td>PVC CSA/UL 2661</td><td>Black</td><td>6.5±0.25</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180159</td><td>A</td><td>3</td><td>4</td><td>18 AWG</td><td>PVC CSA/UL 2661</td><td>Black</td><td>7.0+0.3/-0</td><td>BN, BU, BK, GN/YE</td></tr><tr><td>1210180464</td><td>A</td><td>3</td><td>5</td><td>18 AWG</td><td>PVC CSA/UL 2661</td><td>Black</td><td>7.8±0.25</td><td>BN, BU, BK, WH, GN/YE</td></tr><tr><td>1210180351</td><td>B</td><td>3</td><td>2</td><td>18 AWG</td><td>PUR CSA/UL 20668</td><td>Black</td><td>6.2±0.2</td><td>BN, BU</td></tr><tr><td>1210180127</td><td>B</td><td>3</td><td>3</td><td>18 AWG</td><td>PUR CSA/UL 20668</td><td>Black</td><td>6.5±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180160</td><td>B</td><td>3</td><td>4</td><td>18 AWG</td><td>PUR CSA/UL 20668</td><td>Black</td><td>7±0.2</td><td>BN, BU, BK, GN/YE</td></tr><tr><td>1210180463</td><td>B</td><td>3</td><td>5</td><td>18 AWG</td><td>PUR CSA/UL 20668</td><td>Black</td><td>7.8±0.25</td><td>BN, BU, BK, WH, GN/YE</td></tr><tr><td>1210180073</td><td>D</td><td>3</td><td>3</td><td>0.75 mm²</td><td>PVC CEI 20-20</td><td>Grey</td><td>6.5±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180145</td><td>D</td><td>3</td><td>4</td><td>0.75 mm²</td><td>PVC CEI 20-20</td><td>Grey</td><td>7.1±0.2</td><td>BN, BU, BK, GN/YE</td></tr><tr><td>1202098206</td><td>I</td><td>3</td><td>2</td><td>0.75 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>5.5±0.2</td><td>BK1, BK2</td></tr><tr><td>1210180120</td><td>I</td><td>3</td><td>3</td><td>0.75 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>6.0±0.2</td><td>BK1, BK2, BK3</td></tr><tr><td>1210180143</td><td>I</td><td>3</td><td>4</td><td>0.75 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>7.0±0.2</td><td>BN, BU, BK, GN/YE</td></tr><tr><td>1210180032</td><td>N</td><td>3</td><td>2</td><td>0.75 mm²</td><td>PVC H05VV-F</td><td>Black</td><td>6.2±0.2</td><td>BN, BU</td></tr><tr><td>1210180069</td><td>N</td><td>3</td><td>3</td><td>0.75 mm²</td><td>PVC H05VV-F</td><td>Black</td><td>6.5±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180144</td><td>N</td><td>3</td><td>4</td><td>0.75 mm²</td><td>PVC H05VV-F</td><td>Black</td><td>7.1±0.2</td><td>BN, BU, BK, GN/YE</td></tr><tr><td>1210180174</td><td>N</td><td>3</td><td>5</td><td>0.75 mm²</td><td>PVC H05VV-F</td><td>Black</td><td>8.0+0.2/-0</td><td>BN, BU, BK, GY, GN/YE</td></tr><tr><td>1202094190</td><td>P</td><td>3</td><td>2</td><td>0.75 mm²</td><td>PUR - BLEND</td><td>Black</td><td>6.5±0.2</td><td>BN, BU</td></tr><tr><td>1210180071</td><td>P</td><td>3</td><td>3</td><td>0.75 mm²</td><td>PUR - BLEND</td><td>Black</td><td>6.5±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180152</td><td>P</td><td>3</td><td>4</td><td>0.75 mm²</td><td>PUR - BLEND</td><td>Black</td><td>7.0±0.2</td><td>BN, BU, BK, GN/YE</td></tr></table>									Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors	1210180080	I	0	3	1 mm²	PVC CEI 2022 II O.R.	Grey	6.4±0.2	BN, BU, GN/YE	1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2	BN, BU	1210180128	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5.6±0.2	BN, BU, GN/YE	1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6.2±0.25	BN, BU, BK, GN/YE	1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU	1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU, GN/YE	1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6.3±0.2	BN, BU, BK, GN/YE	1210180122	D	2	3	0.5 mm²	PVC CEI 20-20	Grey	5.5±0.2	BN, BU, GN/YE	1210180047	I	2	2	0.5 mm²	PVC CEI 2022 II O.R.	Grey	5.5+0.3/-0	BN, BU	1210180284	I	2	3	0.5 mm²	PVC CEI 2022 II O.R.	Grey	5.5+0.3/-0	BN, BU, GN/YE	1210180146	I	2	4	0.5 mm²	PVC CEI 2022 II O.R.	Grey	6.5±0.2	BN, BU, BK, GN/YE	1210180177	I	2	5	0.5 mm²	PVC CEI 2022 II O.R.	Grey	7.0 +0.3/-0	BN, BU, BK, WH, GN/YE	1210180022	N	2	2	0.5 mm²	PVC H03VV-F	Black	5.2±0.2	BN, BU	1202092753	N	2	3	0.5 mm²	PVC H03VV-F	Black	5.5±0.2	BN, BU, GN/YE	1210180153	N	2	4	0.5 mm²	PVC H03VV-F	Black	5.9±0.3	BN, BU, BK, GN/YE	1210180046	P	2	2	0.5 mm²	PUR - BLEND	Black	5.5±0.2	BN, BU	1202092439	P	2	3	0.5 mm²	PUR - BLEND	Black	5.5 +0.3/-0	BN, BU, GN/YE	1210180302	P	2	4	0.5 mm²	PUR - BLEND	Black	6.5±0.2	BN, BU, BK, GN/YE	1202092215	P	2	5	0.5 mm²	PUR - BLEND	Black	7+0.3/-0.1	BN, BU, BK, WH, GN/YE	1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6.2±0.25	BN, BU	1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25	BN, BU, GN/YE	1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Black	7.0+0.3/-0	BN, BU, BK, GN/YE	1210180464	A	3	5	18 AWG	PVC CSA/UL 2661	Black	7.8±0.25	BN, BU, BK, WH, GN/YE	1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6.2±0.2	BN, BU	1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Black	6.5±0.2	BN, BU, GN/YE	1210180160	B	3	4	18 AWG	PUR CSA/UL 20668	Black	7±0.2	BN, BU, BK, GN/YE	1210180463	B	3	5	18 AWG	PUR CSA/UL 20668	Black	7.8±0.25	BN, BU, BK, WH, GN/YE	1210180073	D	3	3	0.75 mm²	PVC CEI 20-20	Grey	6.5±0.2	BN, BU, GN/YE	1210180145	D	3	4	0.75 mm²	PVC CEI 20-20	Grey	7.1±0.2	BN, BU, BK, GN/YE	1202098206	I	3	2	0.75 mm²	PVC CEI 2022 II O.R.	Grey	5.5±0.2	BK1, BK2	1210180120	I	3	3	0.75 mm²	PVC CEI 2022 II O.R.	Grey	6.0±0.2	BK1, BK2, BK3	1210180143	I	3	4	0.75 mm²	PVC CEI 2022 II O.R.	Grey	7.0±0.2	BN, BU, BK, GN/YE	1210180032	N	3	2	0.75 mm²	PVC H05VV-F	Black	6.2±0.2	BN, BU	1210180069	N	3	3	0.75 mm²	PVC H05VV-F	Black	6.5±0.2	BN, BU, GN/YE	1210180144	N	3	4	0.75 mm²	PVC H05VV-F	Black	7.1±0.2	BN, BU, BK, GN/YE	1210180174	N	3	5	0.75 mm²	PVC H05VV-F	Black	8.0+0.2/-0	BN, BU, BK, GY, GN/YE	1202094190	P	3	2	0.75 mm²	PUR - BLEND	Black	6.5±0.2	BN, BU	1210180071	P	3	3	0.75 mm²	PUR - BLEND	Black	6.5±0.2	BN, BU, GN/YE	1210180152	P	3	4	0.75 mm²	PUR - BLEND	Black	7.0±0.2	BN, BU, BK, GN/YE	<table><tr><th>Molex PN Raw cable</th><th>Cable type</th><th>Cable code</th><th>Wires no.</th><th>Cross Section</th><th>Jacket material</th><th>Jacket color</th><th>Diameter Ø [mm]</th><th>Wire colors</th></tr><tr><td>1210180384</td><td>R</td><td>3</td><td>3</td><td>0.75 mm²</td><td>TPR HAL. FREE</td><td>Black</td><td>6.5±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180094</td><td>T</td><td>3</td><td>3</td><td>0.75 mm²</td><td>PUR CSA/UL 20668</td><td>Yellow</td><td>6.5±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180309</td><td>Y</td><td>3</td><td>3</td><td>0.75 mm²</td><td>SILICONE RUBBER</td><td>Red</td><td>6.5±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180081</td><td>F</td><td>4</td><td>3</td><td>1 mm²</td><td>PVC CNOMO</td><td>Grey</td><td>7.1+0.2/-0</td><td>BK1, BK2, GN/YE</td></tr><tr><td>1210180042</td><td>I</td><td>4</td><td>2</td><td>1 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>7.1+0.2/-0</td><td>BN, BU</td></tr><tr><td>1210180079</td><td>I</td><td>4</td><td>3</td><td>1 mm²</td><td>PVC CEI 2022 II O.R.</td><td>Grey</td><td>7.1+0.2/-0</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180036</td><td>N</td><td>4</td><td>2</td><td>1 mm²</td><td>PVC H05VV-F</td><td>Black</td><td>6.5±0.2</td><td>BN, BU</td></tr><tr><td>1210180082</td><td>N</td><td>4</td><td>3</td><td>1 mm²</td><td>PVC H05VV-F</td><td>Black</td><td>6.9±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180117</td><td>R</td><td>4</td><td>3</td><td>1 mm²</td><td>TPR HAL. FREE</td><td>Black</td><td>7.1±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180085</td><td>N</td><td>5</td><td>3</td><td>1.5 mm²</td><td>PVC H05VV-F</td><td>Black</td><td>7.9±0.2</td><td>BN, BU, GN/YE</td></tr><tr><td>1210180313</td><td>I</td><td>6</td><td>2</td><td>0.35 mm²</td><td>PVC CEI 2011</td><td>Grey</td><td>4.8±0.2</td><td>BN, WH</td></tr><tr><td>1210180149</td><td>I</td><td>9</td><td>4</td><td>0.75 mm²</td><td>PVC CEI 2022 II</td><td>Grey</td><td>7.3±0.2</td><td>BN, BU, BK, GN/YE</td></tr></table>									Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors	1210180384	R	3	3	0.75 mm²	TPR HAL. FREE	Black	6.5±0.2	BN, BU, GN/YE	1210180094	T	3	3	0.75 mm²	PUR CSA/UL 20668	Yellow	6.5±0.2	BN, BU, GN/YE	1210180309	Y	3	3	0.75 mm²	SILICONE RUBBER	Red	6.5±0.2	BN, BU, GN/YE	1210180081	F	4	3	1 mm²	PVC CNOMO	Grey	7.1+0.2/-0	BK1, BK2, GN/YE	1210180042	I	4	2	1 mm²	PVC CEI 2022 II O.R.	Grey	7.1+0.2/-0	BN, BU	1210180079	I	4	3	1 mm²	PVC CEI 2022 II O.R.	Grey	7.1+0.2/-0	BN, BU, GN/YE	1210180036	N	4	2	1 mm²	PVC H05VV-F	Black	6.5±0.2	BN, BU	1210180082	N	4	3	1 mm²	PVC H05VV-F	Black	6.9±0.2	BN, BU, GN/YE	1210180117	R	4	3	1 mm²	TPR HAL. FREE	Black	7.1±0.2	BN, BU, GN/YE	1210180085	N	5	3	1.5 mm²	PVC H05VV-F	Black	7.9±0.2	BN, BU, GN/YE	1210180313	I	6	2	0.35 mm²	PVC CEI 2011	Grey	4.8±0.2	BN, WH	1210180149	I	9	4	0.75 mm²	PVC CEI 2022 II	Grey	7.3±0.2	BN, BU, BK, GN/YE
Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180080	I	0	3	1 mm²	PVC CEI 2022 II O.R.	Grey	6.4±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180128	A	2	3	20 AWG	PVC CSA/UL 2661	Black	5.6±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Black	6.2±0.25	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Black	6.3±0.2	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180122	D	2	3	0.5 mm²	PVC CEI 20-20	Grey	5.5±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180047	I	2	2	0.5 mm²	PVC CEI 2022 II O.R.	Grey	5.5+0.3/-0	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180284	I	2	3	0.5 mm²	PVC CEI 2022 II O.R.	Grey	5.5+0.3/-0	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180146	I	2	4	0.5 mm²	PVC CEI 2022 II O.R.	Grey	6.5±0.2	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180177	I	2	5	0.5 mm²	PVC CEI 2022 II O.R.	Grey	7.0 +0.3/-0	BN, BU, BK, WH, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180022	N	2	2	0.5 mm²	PVC H03VV-F	Black	5.2±0.2	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1202092753	N	2	3	0.5 mm²	PVC H03VV-F	Black	5.5±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180153	N	2	4	0.5 mm²	PVC H03VV-F	Black	5.9±0.3	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180046	P	2	2	0.5 mm²	PUR - BLEND	Black	5.5±0.2	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1202092439	P	2	3	0.5 mm²	PUR - BLEND	Black	5.5 +0.3/-0	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180302	P	2	4	0.5 mm²	PUR - BLEND	Black	6.5±0.2	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1202092215	P	2	5	0.5 mm²	PUR - BLEND	Black	7+0.3/-0.1	BN, BU, BK, WH, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6.2±0.25	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Black	6.5±0.25	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Black	7.0+0.3/-0	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180464	A	3	5	18 AWG	PVC CSA/UL 2661	Black	7.8±0.25	BN, BU, BK, WH, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6.2±0.2	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Black	6.5±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180160	B	3	4	18 AWG	PUR CSA/UL 20668	Black	7±0.2	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180463	B	3	5	18 AWG	PUR CSA/UL 20668	Black	7.8±0.25	BN, BU, BK, WH, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180073	D	3	3	0.75 mm²	PVC CEI 20-20	Grey	6.5±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180145	D	3	4	0.75 mm²	PVC CEI 20-20	Grey	7.1±0.2	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1202098206	I	3	2	0.75 mm²	PVC CEI 2022 II O.R.	Grey	5.5±0.2	BK1, BK2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180120	I	3	3	0.75 mm²	PVC CEI 2022 II O.R.	Grey	6.0±0.2	BK1, BK2, BK3																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180143	I	3	4	0.75 mm²	PVC CEI 2022 II O.R.	Grey	7.0±0.2	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180032	N	3	2	0.75 mm²	PVC H05VV-F	Black	6.2±0.2	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180069	N	3	3	0.75 mm²	PVC H05VV-F	Black	6.5±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180144	N	3	4	0.75 mm²	PVC H05VV-F	Black	7.1±0.2	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180174	N	3	5	0.75 mm²	PVC H05VV-F	Black	8.0+0.2/-0	BN, BU, BK, GY, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1202094190	P	3	2	0.75 mm²	PUR - BLEND	Black	6.5±0.2	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180071	P	3	3	0.75 mm²	PUR - BLEND	Black	6.5±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180152	P	3	4	0.75 mm²	PUR - BLEND	Black	7.0±0.2	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180384	R	3	3	0.75 mm²	TPR HAL. FREE	Black	6.5±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180094	T	3	3	0.75 mm²	PUR CSA/UL 20668	Yellow	6.5±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180309	Y	3	3	0.75 mm²	SILICONE RUBBER	Red	6.5±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180081	F	4	3	1 mm²	PVC CNOMO	Grey	7.1+0.2/-0	BK1, BK2, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180042	I	4	2	1 mm²	PVC CEI 2022 II O.R.	Grey	7.1+0.2/-0	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180079	I	4	3	1 mm²	PVC CEI 2022 II O.R.	Grey	7.1+0.2/-0	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180036	N	4	2	1 mm²	PVC H05VV-F	Black	6.5±0.2	BN, BU																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180082	N	4	3	1 mm²	PVC H05VV-F	Black	6.9±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180117	R	4	3	1 mm²	TPR HAL. FREE	Black	7.1±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180085	N	5	3	1.5 mm²	PVC H05VV-F	Black	7.9±0.2	BN, BU, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180313	I	6	2	0.35 mm²	PVC CEI 2011	Grey	4.8±0.2	BN, WH																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
1210180149	I	9	4	0.75 mm²	PVC CEI 2022 II	Grey	7.3±0.2	BN, BU, BK, GN/YE																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																						
TABLE 1 - CABLES TYPE					<table><tr><th>Code</th><th>Cable types</th><th>Features</th><th>Cable type Cross section</th></tr><tr><td>N</td><td>PVC</td><td>Application general purpose cable which has good resistance to water, but usually poor oil resistance.</td><td>N2=0.5 mm2 N3=0.75 mm2 N4=1 mm2</td></tr><tr><td>I</td><td>CEI</td><td>Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.</td><td>I2=0.5 mm2 I3=0.75 mm2 I4=1 mm2</td></tr><tr><td>P</td><td>PUR</td><td>Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.</td><td>P2=0.5 mm2 P3=0.75 mm2 P4=1 mm2</td></tr><tr><td>A</td><td>PVC CSA-UL</td><td>Approved to CSA-UL 2661, application general purpose cable which has good resistance to water, but usually poor oil resistance.</td><td>A2=20 AWG A3=18 AWG</td></tr><tr><td>B</td><td>PUR CSA-UL</td><td>Approved to CSA-UL 20668, very good resistance to oil and chemicals.</td><td>B2=20 AWG B3=18 AWG</td></tr></table>					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 mm2 N3=0.75 mm2 N4=1 mm2	I	CEI	Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.	I2=0.5 mm2 I3=0.75 mm2 I4=1 mm2	P	PUR	Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.	P2=0.5 mm2 P3=0.75 mm2 P4=1 mm2	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																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
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<table><tr><td colspan="10">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr><tr><td colspan="2">DIMENSION UNITS</td><td colspan="2">SCALE</td><td colspan="4" rowspan="4">CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183</td><td colspan="2" rowspan="4"> molex E452XXXXXXXXXX DIN FORM A EN 175301-803 </td></tr><tr><td colspan="2">mm</td><td colspan="2">NTS</td></tr><tr><td colspan="2" rowspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2"></td></tr><tr><td>MM</td><td>INCH</td></tr><tr><td>4 PLACES</td><td>±</td><td></td><td>±</td><td colspan="4" rowspan="4">EC NO: 826028 DRWN: SANATK1 CHK'D: GGA APPR: GGA</td><td colspan="2" rowspan="4">2025/05/06 2025/06/30 2025/06/30</td><td colspan="2" rowspan="4">PRODUCT CUSTOMER DRAWING</td></tr><tr><td>3 PLACES</td><td>±</td><td></td><td>±</td></tr><tr><td>2 PLACES</td><td>±</td><td></td><td>±</td></tr><tr><td>1 PLACE</td><td>±</td><td></td><td>±</td></tr><tr><td>0 PLACES</td><td>±</td><td></td><td>±</td><td colspan="2">INITIAL REVISION:</td><td colspan="2" rowspan="2">DOCUMENT NUMBER</td><td rowspan="2">DOC TYPE</td><td rowspan="7">DOC PART</td><td rowspan="7">REVISION</td></tr><tr><td colspan="2">ANGULAR TOL</td><td>±</td><td>°</td><td colspan="2">DRWN: JMARSZALEK APPR: MDYSZEWSKA</td></tr><tr><td colspan="2" rowspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td colspan="2">FIRST ANGLE PROJECTION</td><td>DRAWING</td><td>SERIES</td><td colspan="2">MATERIAL NUMBER</td><td colspan="2">CUSTOMER</td></tr><tr><td colspan="2"></td><td>A3-SIZE</td><td>121050</td><td colspan="2">SEE TABLE</td><td colspan="2">GENERAL MARKET</td></tr><tr><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2"></td><td colspan="2">SHEET NUMBER</td></tr><tr><td colspan="2"></td><td colspan="2" rowspan="2"></td><td colspan="2" rowspan="2"></td><td colspan="2"></td><td colspan="2" rowspan="2">3 OF 28</td></tr></table>										THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION										DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183				molex E452XXXXXXXXXX DIN FORM A EN 175301-803		mm		NTS		GENERAL TOLERANCES (UNLESS SPECIFIED)				MM	INCH	4 PLACES	±		±	EC NO: 826028 DRWN: SANATK1 CHK'D: GGA APPR: GGA				2025/05/06 2025/06/30 2025/06/30		PRODUCT CUSTOMER DRAWING		3 PLACES	±		±	2 PLACES	±		±	1 PLACE	±		±	0 PLACES	±		±	INITIAL REVISION:		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION	ANGULAR TOL		±	°	DRWN: JMARSZALEK APPR: MDYSZEWSKA		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER				A3-SIZE	121050	SEE TABLE		GENERAL MARKET										SHEET NUMBER										3 OF 28																																																																																																																																																																																																																																																																																																																																																																																									
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Pos.	Molex PN:	Engineering No.:
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285	N/A	N/A
286	1210502214	E452N2N15041C4H
287	1210502219	E452I4N50011R2M
288	1210502223	E452P3N5001PC4H
289	N/A	N/A
290	1210502233	E452N3N5001PS0H
291	N/A	N/A
292	N/A	N/A
293	N/A	N/A
294	N/A	N/A
295	N/A	N/A
296	1210502259	E452A3A20011C42
297	1210502262	E452N3N40011R2M
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303	N/A	N/A
304	N/A	N/A
305	1210502317	E452N2N10011A12
306	1210502318	E452N3N2001PC3H
307	N/A	N/A
308	1210502334	E452A3A30011C42
309	N/A	N/A
310	1210502341	E452N3N10K11C4H
311	N/A	N/A
312	1210502352	E452N3N50012S02
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314	1210502357	E452B3A50011C4H
315	N/A	N/A
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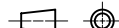
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REVISION: E1
DATE: 2021/05/01

Pos.	Molex PN:	Engineering No.:
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325	1210502417	E452R4N2001PC4M
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327	N/A	N/A
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Pos.	Molex PN:	Engineering No.:
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377	N/A	N/A
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387	1210502620	E452B3A3001PA1L
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Pos.	Molex PN:	Engineering No.:
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405	N/A	N/A
406	N/A	N/A
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408	N/A	N/A
409	N/A	N/A
410	N/A	N/A
411	N/A	N/A
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415	N/A	N/A
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420	N/A	N/A
421	N/A	N/A
422	N/A	N/A
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433	N/A	N/A
434	N/A	N/A
435	N/A	N/A
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437	N/A	N/A
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Pos.	Molex PN:	Engineering No.:
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450	N/A	N/A
451	1210502877	W452N3N2001RC3A
452	N/A	N/A
453	N/A	N/A
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458	N/A	N/A
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460	N/A	N/A
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477	N/A	N/A
478	N/A	N/A
479	N/A	N/A
480	N/A	N/A

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183			molex E452XXXXXXXXXXX DIN FORM A EN 175301-803				
mm		NTS									
GENERAL TOLERANCES (UNLESS SPECIFIED)											
		MM	INCH								
4 PLACES	±	±		EC NO: 826028 DRWN: SANATK1 2025/05/06 CHK'D: GGA 2025/06/30 APPR: GGA 2025/06/30							
3 PLACES	±	±									
2 PLACES	±	±									
1 PLACE	±	±		PRODUCT CUSTOMER DRAWING							
0 PLACES	±	±									
ANGULAR TOL ± °				DOCUMENT NUMBER			DOC TYPE		DOC PART	REVISION	
				SD-121050-001			PSD		001	E2	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER	SHEET NUMBER
				A3-SIZE		121050	SEE TABLE		GENERAL MARKET		6 OF 28

FORMAT: Met-lega-master-lb-prod-A3
REVISION: E1
DATE: 2021/06/01

Pos.	Molex PN:	Engineering No.:
601	N/A	N/A
602	N/A	N/A
603	N/A	N/A
604	N/A	N/A
605	N/A	N/A
606	N/A	N/A
607	N/A	N/A
608	N/A	N/A
609	N/A	N/A
610	1210503463	E452N3N05011C41
611	N/A	N/A
612	N/A	N/A
613	N/A	N/A
614	N/A	N/A
615	N/A	N/A
616	1210503491	E452A3A30011C7H
617	N/A	N/A
618	1210503498	E452B2A3001PC4H
619	N/A	N/A
620	N/A	N/A
621	1210503507	E452B2A3001PC4L
622	N/A	N/A
623	N/A	N/A
624	N/A	N/A
625	1210503512	E452N3N10K1PC4H
626	1210503517	E452N2N1501PS0H
627	N/A	N/A
628	N/A	N/A
629	N/A	N/A
630	N/A	N/A
631	N/A	N/A
632	N/A	N/A
633	N/A	N/A
634	N/A	N/A
635	N/A	N/A
636	N/A	N/A
637	N/A	N/A
638	N/A	N/A
639	N/A	N/A
640	N/A	N/A

FORMAT: Met-lega
REVISION: E1
DATE: 2021/06/01

FORMAT: Met-lega
REVISION: E1
DATE: 2021/06/01

10		9		8		7		6		5		4		3		2		1	
TABLE 3 - PART LIST																			
Pos.		Molex PN:		Engineering No.:		Pos.		Molex PN:		Engineering No.:		Pos.		Molex PN:		Engineering No.:			
1481		N/A		N/A		1521		N/A		N/A		1601		N/A		N/A			
1482		N/A		N/A		1522		N/A		N/A		1602		N/A		N/A			
1483		N/A		N/A		1523		N/A		N/A		1603		N/A		N/A			
1484		N/A		N/A		1524		N/A		N/A		1604		N/A		N/A			
1485		2210501936		E452A3A20011C4H		1525		N/A		N/A		1605		N/A		N/A			
1486		N/A		N/A		1526		N/A		N/A		1606		N/A		N/A			
1487		N/A		N/A		1527		N/A		N/A		1607		N/A		N/A			
1488		N/A		N/A		1528		N/A		N/A		1608		N/A		N/A			
1489		N/A		N/A		1529		N/A		N/A		1609		N/A		N/A			
1490		N/A		N/A		1530		N/A		N/A		1610		N/A		N/A			
1491		N/A		N/A		1531		N/A		N/A		1611		N/A		N/A			
1492		N/A		N/A		1532		N/A		N/A		1612		N/A		N/A			
1493		N/A		N/A		1533		N/A		N/A		1613		N/A		N/A			
1494		N/A		N/A		1534		N/A		N/A		1614		N/A		N/A			
1495		N/A		N/A		1535		N/A		N/A		1615		N/A		N/A			
1496		N/A		N/A		1536		N/A		N/A		1616		N/A		N/A			
1497		N/A		N/A		1537		N/A		N/A		1617		N/A		N/A			
1498		N/A		N/A		1538		N/A		N/A		1618		N/A		N/A			
1499		N/A		N/A		1539		N/A		N/A		1619		N/A		N/A			
1500		N/A		N/A		1540		N/A		N/A		1620		N/A		N/A			
1501		N/A		N/A		1541		N/A		N/A		1621		N/A		N/A			
1502		N/A		N/A		1542		N/A		N/A		1622		N/A		N/A			
1503		N/A		N/A		1543		N/A		N/A		1623		N/A		N/A			
1504		N/A		N/A		1544		N/A		N/A		1624		N/A		N/A			
1505		N/A		N/A		1545		2210502010		E452A3A30011A1E		1625		N/A		N/A			
1506		N/A		N/A		1546		N/A		N/A		1626		N/A		N/A			
1507		N/A		N/A		1547		N/A		N/A		1627		N/A		N/A			
1508		N/A		N/A		1548		N/A		N/A		1628		N/A		N/A			
1509		N/A		N/A		1549		N/A		N/A		1629		N/A		N/A			
1510		N/A		N/A		1550		N/A		N/A		1630		N/A		N/A			
1511		N/A		N/A		1551		N/A		N/A		1631		N/A		N/A			
1512		N/A		N/A		1552		N/A		N/A		1632		N/A		N/A			
1513		N/A		N/A		1553		N/A		N/A		1633		N/A		N/A			
1514		N/A		N/A		1554		N/A		N/A		1634		N/A		N/A			
1515		N/A		N/A		1555		N/A		N/A		1635		N/A		N/A			
1516		N/A		N/A		1556		N/A		N/A		1636		N/A		N/A			
1517		N/A		N/A		1557		N/A		N/A		1637		N/A		N/A			
1518		N/A		N/A		1558		N/A		N/A		1638		2210502117		E452A3A50011C32			
1519		N/A		N/A		1559		N/A		N/A		1639		N/A		N/A			
1520		N/A		N/A		1560		N/A		N/A		1640		N/A		N/A			
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS mm SCALE NTS GENERAL TOLERANCES (UNLESS SPECIFIED) MM INCH 4 PLACES ± ± 3 PLACES ± ± 2 PLACES ± ± 1 PLACE ± ± 0 PLACES ± ± ANGULAR TOL ± ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS FIRST ANGLE PROJECTION DRAWING A3-SIZE SERIES 121050 MATERIAL NUMBER SEE TABLE CUSTOMER GENERAL MARKET SHEET NUMBER 10 OF 28 CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183 EC NO: 826028 DRWN: SANATK1 CHK'D: GGA APPR: GGA 2025/05/06 2025/06/30 2025/06/30 INITIAL REVISION: DRWN: JMARSZALEK APPR: MDYSZEWSKA 2012/08/27 2012/08/20 molex E452XXXXXXXXXX DIN FORM A EN 175301-803 PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-121050-001 DOC TYPE PSD DOC PART 001 REVISION E2 DOCUMENT STATUS P1 RELEASE DATE 2025/06/30 13:30:42 FORMAT: Met-lega-master-ib-prod-A3 REVISION: E1 DATE: 2021/05/01 9 8 7 6 5 4 3 2 1																			

	10	9	8	7	6	5	4	3	2	1	
F	TABLE 3 - PART LIST										F
E	Pos.	Molex PN:	Engineering No.:								
	1641	N/A	N/A								
	1642	N/A	N/A								
	1643	N/A	N/A								
	1644	N/A	N/A								
	1645	N/A	N/A								
	1646	N/A	N/A								
	1647	N/A	N/A								
	1648	N/A	N/A								
	1649	N/A	N/A								
D	1650	N/A	N/A								
	1651	N/A	N/A								
	1652	N/A	N/A								
	1653	N/A	N/A								
	1654	N/A	N/A								
	1655	N/A	N/A								
	1656	N/A	N/A								
	1657	N/A	N/A								
	1658	N/A	N/A								
	1659	N/A	N/A								
C	1660	N/A	N/A								
	1661	N/A	N/A								
	1662	2210502141	E452A3A50011C4H								
	1663	N/A	N/A								
	1664	2210502143	E452A3A50011C4L								
	1665	2210502144	E452A3A50011C4M								
	1666	N/A	N/A								
	1667	N/A	N/A								
	1668	N/A	N/A								
	1669	N/A	N/A								
B	1670	N/A	N/A								
	1671	N/A	N/A								
	1672	N/A	N/A								
	1673	N/A	N/A								
	1674	N/A	N/A								
	1675	N/A	N/A								
	1676	N/A	N/A								
	1677	N/A	N/A								
	1678	N/A	N/A								
	1679	N/A	N/A								
A	1680	N/A	N/A								
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A	DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183				molex E452XXXXXXXXXXXX DIN FORM A EN 175301-803		
	mm		NTS								
	GENERAL TOLERANCES (UNLESS SPECIFIED)										
			MM	INCH	EC NO: 826028 DRWN: SANATK1 2025/05/06 CHK'D: GGA 2025/06/30 APPR: GGA 2025/06/30				PRODUCT CUSTOMER DRAWING		
	4 PLACES	±		±							
	3 PLACES	±		±							
	2 PLACES	±		±							
	1 PLACE	±		±							
	0 PLACES	±		±	INITIAL REVISION:				DOCUMENT NUMBER		
	ANGULAR TOL		±	°	DRWN: JMARSZALEK 2012/08/27 APPR: MDYSZEWSKA 2012/08/20				SD-121050-001	PSD	001
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER			
				A3-SIZE	121050	SEE TABLE	GENERAL MARKET	11 OF 28			
				DOCUMENT STATUS P1 RELEASE DATE 2025/06/30 13:30:42							
	10	9	8	7	6	5	4	3	2	1	

10	9	8	7	6	5	4	3	2	1																																																																																																																																																																																																																																																																
TABLE 3 - PART LIST																																																																																																																																																																																																																																																																									
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Molex PN:	Engineering No.:	2481	N/A	N/A	2482	N/A	N/A	2483	N/A	N/A	2484	N/A	N/A	2485	N/A	N/A	2486	N/A	N/A	2487	2210503091	E452B3A15011C4H	2488	N/A	N/A	2489	N/A	N/A	2490	N/A	N/A	2491	N/A	N/A	2492	N/A	N/A	2493	N/A	N/A	2494	N/A	N/A	2495	N/A	N/A	2496	N/A	N/A	2497	N/A	N/A	2498	N/A	N/A	2499	N/A	N/A	2500	N/A	N/A	2501	N/A	N/A	2502	N/A	N/A	2503	N/A	N/A	2504	N/A	N/A	2505	N/A	N/A	2506	N/A	N/A	2507	N/A	N/A	2508	N/A	N/A	2509	N/A	N/A	2510	N/A	N/A	2511	N/A	N/A	2512	N/A	N/A	2513	N/A	N/A	2514	N/A	N/A	2515	N/A	N/A	2516	N/A	N/A	2517	N/A	N/A	2518	N/A	N/A	2519	N/A	N/A	2520	N/A	N/A	<table><tr><td>Pos.</td><td>Molex PN:</td><td>Engineering No.:</td></tr><tr><td>2561</td><td>N/A</td><td>N/A</td></tr><tr><td>2562</td><td>N/A</td><td>N/A</td></tr><tr><td>2563</td><td>N/A</td><td>N/A</td></tr><tr><td>2564</td><td>N/A</td><td>N/A</td></tr><tr><td>2565</td><td>N/A</td><td>N/A</td></tr><tr><td>2566</td><td>N/A</td><td>N/A</td></tr><tr><td>2567</td><td>N/A</td><td>N/A</td></tr><tr><td>2568</td><td>N/A</td><td>N/A</td></tr><tr><td>2569</td><td>N/A</td><td>N/A</td></tr><tr><td>2570</td><td>N/A</td><td>N/A</td></tr><tr><td>2571</td><td>N/A</td><td>N/A</td></tr><tr><td>2572</td><td>2210503189</td><td>E452B3A20011C44</td></tr><tr><td>2573</td><td>N/A</td><td>N/A</td></tr><tr><td>2574</td><td>N/A</td><td>N/A</td></tr><tr><td>2575</td><td>N/A</td><td>N/A</td></tr><tr><td>2576</td><td>N/A</td><td>N/A</td></tr><tr><td>2577</td><td>N/A</td><td>N/A</td></tr><tr><td>2578</td><td>2210503197</td><td>E452B3A20011C4H</td></tr><tr><td>2579</td><td>N/A</td><td>N/A</td></tr><tr><td>2580</td><td>N/A</td><td>N/A</td></tr><tr><td>2581</td><td>N/A</td><td>N/A</td></tr><tr><td>2582</td><td>N/A</td><td>N/A</td></tr><tr><td>2583</td><td>N/A</td><td>N/A</td></tr><tr><td>2584</td><td>N/A</td><td>N/A</td></tr><tr><td>2585</td><td>N/A</td><td>N/A</td></tr><tr><td>2586</td><td>N/A</td><td>N/A</td></tr><tr><td>2587</td><td>N/A</td><td>N/A</td></tr><tr><td>2588</td><td>N/A</td><td>N/A</td></tr><tr><td>2589</td><td>N/A</td><td>N/A</td></tr><tr><td>2590</td><td>N/A</td><td>N/A</td></tr><tr><td>2591</td><td>N/A</td><td>N/A</td></tr><tr><td>2592</td><td>N/A</td><td>N/A</td></tr><tr><td>2593</td><td>N/A</td><td>N/A</td></tr><tr><td>2594</td><td>N/A</td><td>N/A</td></tr><tr><td>2595</td><td>N/A</td><td>N/A</td></tr><tr><td>2596</td><td>N/A</td><td>N/A</td></tr><tr><td>2597</td><td>N/A</td><td>N/A</td></tr><tr><td>2598</td><td>N/A</td><td>N/A</td></tr><tr><td>2599</td><td>N/A</td><td>N/A</td></tr><tr><td>2600</td><td>N/A</td><td>N/A</td></tr></table>										Pos.	Molex PN:	Engineering No.:	2561	N/A	N/A	2562	N/A	N/A	2563	N/A	N/A	2564	N/A	N/A	2565	N/A	N/A	2566	N/A	N/A	2567	N/A	N/A	2568	N/A	N/A	2569	N/A	N/A	2570	N/A	N/A	2571	N/A	N/A	2572	2210503189	E452B3A20011C44	2573	N/A	N/A	2574	N/A	N/A	2575	N/A	N/A	2576	N/A	N/A	2577	N/A	N/A	2578	2210503197	E452B3A20011C4H	2579	N/A	N/A	2580	N/A	N/A	2581	N/A	N/A	2582	N/A	N/A	2583	N/A	N/A	2584	N/A	N/A	2585	N/A	N/A	2586	N/A	N/A	2587	N/A	N/A	2588	N/A	N/A	2589	N/A	N/A	2590	N/A	N/A	2591	N/A	N/A	2592	N/A	N/A	2593	N/A	N/A	2594	N/A	N/A	2595	N/A	N/A	2596	N/A	N/A	2597	N/A	N/A	2598	N/A	N/A	2599	N/A	N/A	2600	N/A	N/A
Pos.	Molex PN:	Engineering No.:																																																																																																																																																																																																																																																																							
2481	N/A	N/A																																																																																																																																																																																																																																																																							
2482	N/A	N/A																																																																																																																																																																																																																																																																							
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2484	N/A	N/A																																																																																																																																																																																																																																																																							
2485	N/A	N/A																																																																																																																																																																																																																																																																							
2486	N/A	N/A																																																																																																																																																																																																																																																																							
2487	2210503091	E452B3A15011C4H																																																																																																																																																																																																																																																																							
2488	N/A	N/A																																																																																																																																																																																																																																																																							
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molex

E452XXXXXXXXXX
DIN FORM A EN 175301-803

PRODUCT CUSTOMER DRAWING

SD-121050-001

PSD

001

E2

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F	TABLE 3 - PART LIST										F
E	Pos.	Molex PN:	Engineering No.:								
	2601	N/A	N/A								
	2602	N/A	N/A								
	2603	N/A	N/A								
	2604	N/A	N/A								
	2605	N/A	N/A								
	2606	N/A	N/A								
	2607	N/A	N/A								
	2608	N/A	N/A								
	2609	N/A	N/A								
D	2610	N/A	N/A								
	2611	N/A	N/A								
	2612	N/A	N/A								
	2613	N/A	N/A								
	2614	N/A	N/A								
	2615	N/A	N/A								
	2616	N/A	N/A								
	2617	N/A	N/A								
	2618	N/A	N/A								
	2619	N/A	N/A								
C	2620	N/A	N/A								
	2621	N/A	N/A								
	2622	N/A	N/A								
	2623	N/A	N/A								
	2624	N/A	N/A								
	2625	N/A	N/A								
	2626	2210503259	E452B3A20011S0L								
	2627	N/A	N/A								
	2628	N/A	N/A								
	2629	N/A	N/A								
B	2630	N/A	N/A								
	2631	N/A	N/A								
	2632	N/A	N/A								
	2633	N/A	N/A								
	2634	N/A	N/A								
	2635	N/A	N/A								
	2636	N/A	N/A								
	2637	N/A	N/A								
	2638	N/A	N/A								
	2639	N/A	N/A								
A	2640	N/A	N/A								
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION DIMENSION UNITS mm SCALE NTS GENERAL TOLERANCES (UNLESS SPECIFIED) MM INCH 4 PLACES ± ± 3 PLACES ± ± 2 PLACES ± ± 1 PLACE ± ± 0 PLACES ± ± ANGULAR TOL ± ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS FIRST ANGLE PROJECTION DRAWING SERIES MATERIAL NUMBER CUSTOMER SHEET NUMBER EC NO: 826028 DRWN: SANATK1 CHK'D: GGA APPR: GGA INITIAL REVISION: DRWN: JMARSZALEK APPR: MDYSZEWSKA 2012/08/27 2012/08/20 2025/05/06 2025/06/30 2025/06/30 molex E452XXXXXXXXXXXX DIN FORM A EN 175301-803 PRODUCT CUSTOMER DRAWING DOCUMENT NUMBER SD-121050-001 DOC TYPE PSD DOC PART 001 REVISION E2											
DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30	13:30:42							
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F	TABLE 3 - PART LIST									F
E	Pos.	Molex PN:	Engineering No.:							E
	3721	N/A	N/A							
	3722	N/A	N/A							
	3723	N/A	N/A							
	3724	N/A	N/A							
	3725	2210504527	E452I4N30011C3G							
	3726	N/A	N/A							
	3727	N/A	N/A							
	3728	N/A	N/A							
	3729	N/A	N/A							
D	3730	N/A	N/A							D
	3731	N/A	N/A							
	3732	N/A	N/A							
	3733	N/A	N/A							
	3734	N/A	N/A							
	3735	N/A	N/A							
	3736	N/A	N/A							
	3737	N/A	N/A							
	3738	N/A	N/A							
	3739	N/A	N/A							
C	3740	N/A	N/A							C
	3741	N/A	N/A							
	3742	N/A	N/A							
	3743	N/A	N/A							
	3744	N/A	N/A							
	3745	N/A	N/A							
	3746	N/A	N/A							
	3747	N/A	N/A							
	3748	N/A	N/A							
	3749	N/A	N/A							
B	3750	N/A	N/A							B
	3751	N/A	N/A							
	3752	N/A	N/A							
	3753	N/A	N/A							
	3754	N/A	N/A							
	3755	N/A	N/A							
	3756	N/A	N/A							
	3757	N/A	N/A							
	3758	N/A	N/A							
	3759	N/A	N/A							
A	3760	N/A	N/A							A
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	10	9	8	7	6	5	4	3	2	1	
F	TABLE 3 - PART LIST										F
E											E
D											D
C											C
B											B
A											A

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183				molex E452XXXXXXXXXX DIN FORM A EN 175301-803				
mm		NTS										
GENERAL TOLERANCES (UNLESS SPECIFIED)												
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4 PLACES	±		±	EC NO: 826028				PRODUCT CUSTOMER DRAWING				
3 PLACES	±		±	DRWN: SANATK1 2025/05/06				DOCUMENT NUMBER				
2 PLACES	±		±	CHK'D: GGA 2025/06/30				SD-121050-001		DOC TYPE	DOC PART	REVISION
1 PLACE	±		±	APPR: GGA 2025/06/30				PSD		001	E2	
0 PLACES	±		±	INITIAL REVISION:								
ANGULAR TOL ± °				DRWN: JMARSZALEK 2012/08/27								
				APPR: MDYSZEWSKA 2012/08/20								
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				FIRST ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER		SHEET NUMBER	
						A3-SIZE	121050	SEE TABLE	GENERAL MARKET		19 OF 28	

DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30	13:30:42						
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DOCUMENT STATUS	P1	RELEASE DATE	2025/06/30	13:30:42							
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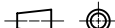
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5940	N/A	N/A
5941	N/A	N/A
5942	N/A	N/A
5943	N/A	N/A
5944	N/A	N/A
5945	N/A	N/A
5946	2210507578	E452P3N30011C4B
5947	N/A	N/A
5948	N/A	N/A
5949	N/A	N/A
5950	N/A	N/A
5951	N/A	N/A
5952	N/A	N/A
5953	N/A	N/A
5954	N/A	N/A
5955	N/A	N/A
5956	N/A	N/A
5957	N/A	N/A
5958	N/A	N/A
5959	N/A	N/A
5960	N/A	N/A

Pos.	Molex PN:	Engineering No.:
5961	N/A	N/A
5962	N/A	N/A
5963	N/A	N/A
5964	N/A	N/A
5965	N/A	N/A
5966	N/A	N/A
5967	N/A	N/A
5968	N/A	N/A
5969	2210507629	E452P3N30011R2M
5970	N/A	N/A
5971	2210507631	E452P3N30011S02
5972	N/A	N/A
5973	N/A	N/A
5974	N/A	N/A
5975	N/A	N/A
5976	N/A	N/A
5977	N/A	N/A
5978	N/A	N/A
5979	N/A	N/A
5980	N/A	N/A
5981	N/A	N/A
5982	N/A	N/A
5983	N/A	N/A
5984	N/A	N/A
5985	N/A	N/A
5986	N/A	N/A
5987	N/A	N/A
5988	N/A	N/A
5989	N/A	N/A
5990	N/A	N/A
5991	N/A	N/A
5992	N/A	N/A
5993	N/A	N/A
5994	N/A	N/A
5995	N/A	N/A
5996	N/A	N/A
5997	N/A	N/A
5998	N/A	N/A
5999	2210507659	E452P3N50011C32
6000	N/A	N/A

Pos.	Molex PN:	Engineering No.:
6001	N/A	N/A
6002	N/A	N/A
6003	N/A	N/A
6004	N/A	N/A
6005	N/A	N/A
6006	N/A	N/A
6007	N/A	N/A
6008	N/A	N/A
6009	N/A	N/A
6010	N/A	N/A
6011	N/A	N/A
6012	N/A	N/A
6013	N/A	N/A
6014	N/A	N/A
6015	N/A	N/A
6016	N/A	N/A
6017	N/A	N/A
6018	N/A	N/A
6019	N/A	N/A
6020	N/A	N/A
6021	N/A	N/A
6022	N/A	N/A
6023	2210507683	E452P3N50011C4L
6024	N/A	N/A
6025	N/A	N/A
6026	N/A	N/A
6027	N/A	N/A
6028	N/A	N/A
6029	N/A	N/A
6030	N/A	N/A
6031	N/A	N/A
6032	N/A	N/A
6033	N/A	N/A
6034	N/A	N/A
6035	N/A	N/A
6036	N/A	N/A
6037	N/A	N/A
6038	N/A	N/A
6039	N/A	N/A
6040	N/A	N/A

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DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#515183			molex E452XXXXXXXXXXX DIN FORM A EN 175301-803									
mm		NTS														
GENERAL TOLERANCES (UNLESS SPECIFIED)																
		MM	INCH	EC NO: 826028 DRWN: SANATK12025/05/06 CHK'D: GGA2025/06/30 APPR: GGA2025/06/30												
4 PLACES	±	±														
3 PLACES	±	±		INITIAL REVISION: DRWN: JMARSZALEK2012/08/27 APPR: MDYSZEWSKA2012/08/20												
2 PLACES	±	±														
1 PLACE	±	±		DOCUMENT NUMBER SD-121050-001 DOC TYPE PSD DOC PART 001 REVISION E2												
0 PLACES	±	±														
ANGULAR TOL ± °				PRODUCT CUSTOMER DRAWING												
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				FIRST ANGLE PROJECTION			DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
							A3-SIZE		121050		SEE TABLE		GENERAL MARKET		28 OF 28	