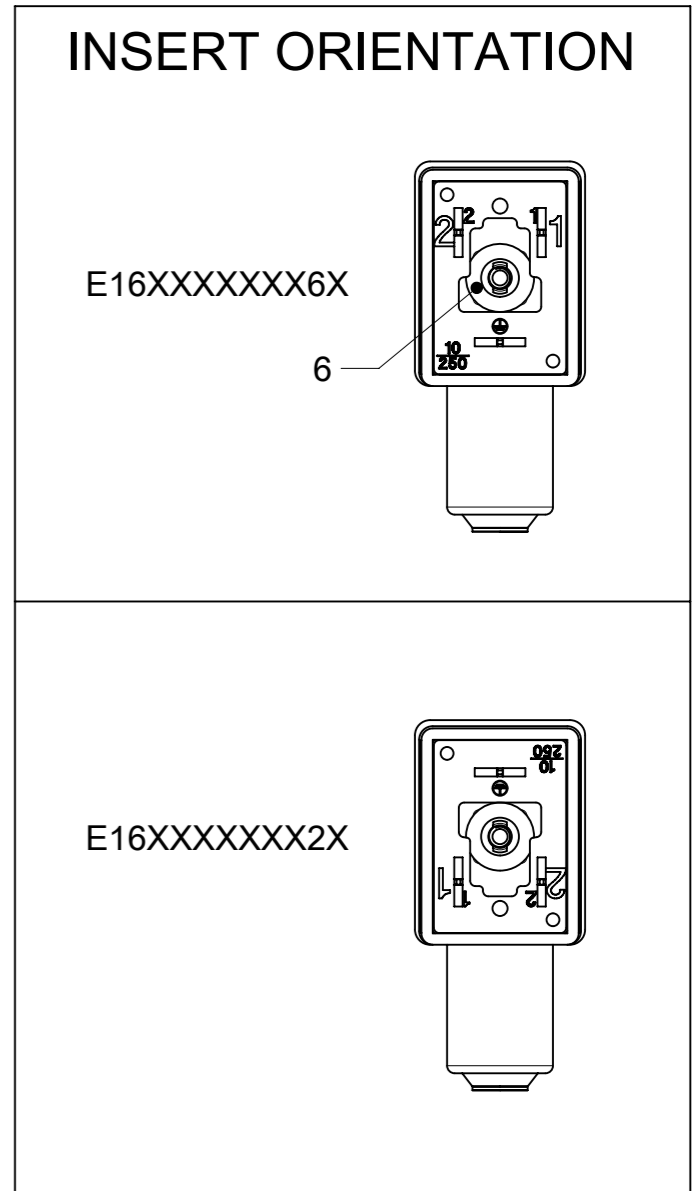


**WIRING CONFIGURATION**

E161XXXXXXXX	BROWN ○	1
	BLUE ○	2
E162XXXXXXXX	BROWN ○	1
	BLUE ○	2
	GREEN/YELLOW ○	⊥



**TABLE 3**

Profiled Gasket	Flat Gasket	Integrated Gasket	Screw M3x25

**TABLE 1**

ITEM NO.	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
1	-	CABLE	SEE CABLE LIST	
2	1	POLYPROP MLD COMPOUND-SELF EX	SEE PAGE 2	
3	1	MOUNTED INSERT	-	BLACK
4	1	GASKET	SEE TABLE 3	
5	1	SCREW	SEE TABLE 3	
6	1	SPACER	PA6	BLACK

**TABLE 2**

TABLE OF LENGTH TOLERANCE (MM)

OVER	UPTO AND INCLUDING	TOLERANCE (+)
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±LENGTH/100

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

SYMBOLS:  $\nabla = 0$ ,  $\nabla = 0$ ,  $\nabla = 0$ ,  $\nabla = 0$ ,  $\nabla = 0$ ,  $\nabla = 0$ ,  $\nabla = 0$ ,  $\nabla = 0$ ,  $\nabla = 0$ ,  $\nabla = 0$

THIS DRAWING DIMENSION UNITS: mm SCALE: 1:1

GENERAL TOLERANCES (UNLESS SPECIFIED): ANGULAR TOL ± 1.0°

4 PLACES ±, 3 PLACES ±, 2 PLACES ± 0.05, 1 PLACE ± 0.3, 0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

CURRENT REV DESC: REDRAWN

EC NO: 621216  
 DRWN: APAWLAK01 2019/07/24  
 CHK'D: RSILLER 2019/07/29  
 APPR: RSILLER 2019/07/29

INITIAL REVISION:  
 DRWN: MDHARMANTI 2019/01/14  
 APPR: RSILLER 2019/02/01

**molex**

MPM E16XXXXXXXXXX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER: 1210400254  
 DOC TYPE: PSD  
 DOC PART: 000  
 REVISION: A1

MATERIAL NUMBER: SEE PART LIST  
 CUSTOMER: GENERAL MARKET  
 SHEET NUMBER: 1 OF 3

# PART No. MATRIX

**E 1 6 X X X X X X X X X X**

PACKING WITHOUT BAG

NUMBER OF WIRES:  
1-2 WIRES  
2-2 WIRES+GROUND

CABLE CROSS SECTION AREA:  
SEE CABLE INFORMATION

CABLE LENGTH IN CM:  
\* 050-50 CM  
\* 300-300 CM  
\* 10K-1000 CM

**GASKET SCREWS:**  
1-NBR PROFILE GASKET+FIXING SCREWS (M3x25 mm)  
2-NBR FLAT GASKET+SCREW (M3x25 mm)  
3-SILICONE PROFILE GASKET+SCREWS (M3x25 mm)  
4-SILICONE FLAT GASKET+SCREW (M3x25 mm)  
P-INTIGRATED GASKET+FIXING SCREW+GROMMET (M3x27 mm)  
R-INTIGRATED GASKET+SCREW+GROMMET (M3x27 mm)  
T-PROFILE GASKET+SCREW+GROMMET (M3x27 mm)

CABLE TYPE:  
SEE CABLE INFORMATION

HEAD COLOUR:  
\* G-GREY  
\* N-BLACK  
\* A-UL BLACK (ONLY WITH UL LISTED CABLE)

EARTH PIN LOCATION (SEE INSERT ORIENTATION TABLE):  
2- EARTH ON H12  
6- EARTH ON H6

## PART LIST

MOLEX P/N	ENGINEERING No.	LENGTH (MM)
1210400254	E162I2N20061	2000
*1210400255	E162I2N50021	5000
1210400263	E162I4N20061	2000
1210400269	E162I4N50061	5000
*1210400271	E162N2N10021	1000
*1210400272	E162N2N10K21	10000
*1210400273	E162N2N20021	2000
*1210400276	E162N2N30021	3000
1210400277	E162N2N30061	3000
*1210400278	E162N2N50021	5000
1210400283	E162N3N03061	300
*1210400284	E162N3N03521	350
*1210400286	E162N3N05021	500
1210400288	E162N3N05061	500
*1210400295	E162N3N10021	1000
*1210400296	E162N3N10022	1000
1210400297	E162N3N10061	1000
*1210400299	E162N3N10K21	10000
*1210400301	E162N3N15021	1500
1210400303	E162N3N15061	1500

MOLEX P/N	ENGINEERING No.	LENGTH (MM)
*1210400305	E162N3N20021	2000
1210400307	E162N3N20061	2000
*1210400308	E162N3N25021	2500
1210400310	E162N3N25061	2500
*1210400311	E162N3N30021	3000
*1210400312	E162N3N30022	3000
1210400313	E162N3N30061	3000
1210400319	E162N3N40061	4000
*1210400320	E162N3N50021	5000
1210400322	E162N3N50061	5000
*1210400581	E162I2N30021	3000
1210400625	E161N2N10021	1000
1210400654	E162I2N30061	3000
*1210400657	E162P3N20021	2000
*1210400711	E162R3N30021	3000
*1210400778	E162I2N10022	1000
1210400820	E162N3N1006P	1000
1210400821	E162N3N3006P	3000
1210400822	E162N3N5006P	5000

## CABLE INFORMATION

CABLE TYPE	CABLE C/S	CABLE JACKET	TEMPERATURE RANGE (STATIC)	BENDING RADIUS	
				STATIC	DYNAMIC
A2	20AWG	PVC UL 2661	-15° TO +105°	>10X OD	>15X OD
A3	18 AWG	PVC UL 2661	-15° TO +105°	>10X OD	>15X OD
B2	20AWG	PUR UL 20668	-40° TO +90°	>5X OD	>10X OD
B3	18 AWG	PUR UL 20668	-40° TO 90°	>5X OD	>10X OD
I2	0.5 mm <sup>2</sup>	PVC CEI 2022 II	-25° TO +70°	>10X OD	>15X OD
I4	1 mm <sup>2</sup>	PVC CEI 2022 II	-25° TO +70°	>10X OD	>15X OD
N2	0.5 mm <sup>2</sup>	PVC H03	-20° TO +70°	>3X OD	NA
N3	0.75 mm <sup>2</sup>	PVC H05	-20° TO +70°	>9X OD	NA
N4	1 mm <sup>2</sup>	PVC H05	-20° TO +70°	>9X OD	NA
P2	0.5 mm <sup>2</sup>	PUR-BLEND	-40° TO +90°	>7.5X OD	>12.5X OD
P3	0.75 mm <sup>2</sup>	PUR-BLEND	-40° TO +90°	>7.5X OD	>12.5X OD
R3	0.75 mm <sup>2</sup>	TPR	-40° TO +130°	-	-
R4	1 mm <sup>2</sup>	TPR	-40° TO +130°	-	-
W3	0.75 mm <sup>2</sup>	PE	-40°C TO 90°C	>5X OD	

SYMBOLS				THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
▽ = 0	mm	SCALE	1:1	CURRENT REV DESC: REDRAWN		<b>molex</b>	
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)			EC NO: 621216			
▽ = 0	ANGULAR TOL ± 1.0°			DRWN: APAWLAK01 2019/07/24		PRODUCT CUSTOMER DRAWING	
▽ = 0	4 PLACES ±			CHK'D: RSILLER 2019/07/29		DOCUMENT NUMBER	
▽ = 0	3 PLACES ±			APPR: RSILLER 2019/07/29		1210400254	
▽ = 0	2 PLACES ± 0.05			INITIAL REVISION:		DOC TYPE DOC PART REVISION	
▽ = 0	1 PLACE ± 0.3			DRWN: MDHARMANTI 2019/01/14		PSD 000 A1	
▽ = 0	0 PLACES ± 0.5			APPR: RSILLER 2019/02/01		SHEET NUMBER	
■ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIRD ANGLE PROJECTION		MATERIAL NUMBER CUSTOMER	
▽ = 0				DRAWING		SEE PART LIST GENERAL MARKET	
				A3-SIZE		2 OF 3	

# PART LIST

MOLEX P/N	ENGINEERING No.	LENGTH (MM)
1210400823	E162P3N1006P	1000
1210400824	E162P3N3006P	3000
1210400825	E162P3N5006P	5000
*1210400832	E162N2N1002P	1000
*1210400840	E162N3N75021	7500
*1210400842	E162N3N13K21	13000
*1210400843	E162N3N15K21	15000
*1210400869	E161N2N10K21	10000
*1210400876	E162N2N05021	500
1210400891	E162I2N50061	5000
*1210400903	E162N4N20021	2000
*1210400904	E162I2N20021	2000
1210400915	E162N3N06062	600
*1210400919	E162P2N30021	3000
*1210400920	E162A2A1002R	1000
*1210400927	E162N3N20023	2000
*1210400934	E162I4N50021	5000
1210400935	E161N3N50061	5000
*1210400936	E162P3N5002P	5000
1210400963	E162I4N50062	5000
1210400964	E162I4N10K62	10000
*1210400977	E162N4N50021	5000
1210400985	E161I2N15021	1500
1210401000	E161N2N07021	700
1210401003	E161N2N1002P	1000

MOLEX P/N	ENGINEERING No.	LENGTH (MM)
*1210401015	E162P3N30021	3000
*1210401016	E162P3N50021	5000
1210401133	E161N3N20022	2000
*1210401136	E162A3A20K2R	20000
1210401148	E162P2N06061	600
1210401149	E162P2N20061	2000
1210401150	E162N2N0506R	500
1210401152	E162P2N04061	400
1210401200	E162N2N50061	5000
1210401203	E162P3N1506P	1500
*1210401284	E162N4N10021	1000
*1210401285	E162N4N30021	3000
*1210401287	E162N3N2002P	2000
1210401310	E162N2N10061	1000
1210401311	E162I2N10061	1000
*1210401312	E162I2N10021	1000
1210401313	E162A2A10061	1000
*1210401314	E162A2A10021	1000
1210401315	E162A2A30061	3000
*1210401316	E162A2A30021	3000
1210401317	E162A2A50061	5000
*1210401318	E162A2A50021	5000
*1210401337	E162B2A50021	5000
*1210401356	E162R4N3002P	3000

MOLEX P/N	ENGINEERING No.	LENGTH (MM)
1210401366	E162N2N05061	500
1210401395	E162N2N20061	2000
1210401405	E162P3N50061	5000
*1210401411	E162N3N05521	550
*1210401413	E162I2N15061	1500
1210401431	E161N3N1002P	1000
1210401432	E161N3N1006P	1000
*1210401458	E162N2N07221	720
*1210401459	E162N2N15021	1500
1210401480	E162B3A3002P	3000
1210401501	E161N3N0606P	600
1210401502	E161N3N0756P	750
1210401512	E161N2N3002P	3000
*2210400001	E162W3A30021	3000

**NOTES:**

- 1. \*-INDICATES SPACER USED IN THE ASSEMBLY.
- 2. \$-INDICATES CABLE-TIE USED IN THE ASSEMBLY.
- 3. LABEL-USED IN P/N 1210401315, 1210401317 & 1210401318.


**TECHNICAL DATA:**

**ELECTRICAL:**

CURRENT MAX. : 5.0A  
 VOLTAGE: 250V  
 CONTACT RESISTANCE: ≤15 mOhm MAX.

**ENVIRONMENTAL:**

OPERATING TEMPERATURE:  
 NITRILE RUBBER (NBR) GASKET: -40°C TO +90°C  
 SILICONE GASKET: -40°C TO +125°C  
 PROTECTION: IP65

<b>SYMBOLS</b> ▽ = 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		CURRENT REV DESC: REDRAWN		 MPM E16XXXXXXXXXX			
	DIMENSION UNITS	SCALE	EC NO: 621216					DOCUMENT NUMBER
	mm	1:1	DRWN: APAWLAK01 2019/07/24		1210400254	PSD	000	A1
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: RSILLER 2019/07/29		PRODUCT CUSTOMER DRAWING			
	ANGULAR TOL ± 1.0°		APPR: RSILLER 2019/07/29		INITIAL REVISION:			
	4 PLACES ±		DRWN: MDHARMANTI 2019/01/14		MATERIAL NUMBER			
3 PLACES ±		APPR: RSILLER 2019/02/01		CUSTOMER				
2 PLACES ± 0.05		THIRD ANGLE PROJECTION		DRAWING		SERIES		
1 PLACE ± 0.3		DRAWING		A3-SIZE		121040		
0 PLACES ± 0.5		MUST REMAIN WITHIN DIMENSIONS		SEE PART LIST		GENERAL MARKET		
DRAFT WHERE APPLICABLE		THIRD ANGLE PROJECTION		DRAWING		SERIES		
MUST REMAIN WITHIN DIMENSIONS		DRAWING		A3-SIZE		121040		
		DRAWING		SERIES		MATERIAL NUMBER		
		DRAWING		SERIES		CUSTOMER		
		DRAWING		SERIES		SHEET NUMBER		
		DRAWING		SERIES		3 OF 3		