

**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:

DRAWING: A3-SIZE, SERIES: 121040, MATERIAL NUMBER: SEE PART LIST, CUSTOMER: GENERAL MARKET, SHEET NUMBER: 1 OF 3

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

# PART No. MATRIX

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

PACKING WITHOUT BAG

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

CABLE TYPE:  
SEE CABLE INFORMATION

CABLE CROSS SECTION AREA:  
SEE CABLE INFORMATION

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

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

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

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)

## 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															
▽ = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)										<div style="text-align: center;"> <h1>molex</h1> <p>MPM E16XXXXXXXXXX</p> <p>PRODUCT CUSTOMER DRAWING</p> </div>									
▽ = 0		ANGULAR TOL ± 1.0°																			
▽ = 0		4 PLACES ±										EC NO: 621216									
▽ = 0		3 PLACES ±										DRWN: APAWLAK01 2019/07/24									
▽ = 0		2 PLACES ± 0.05										CHK'D: RSILLER 2019/07/29									
▽ = 0		1 PLACE ± 0.3										APPR: RSILLER 2019/07/29									
▽ = 0		0 PLACES ± 0.5										INITIAL REVISION:									
■ = 0		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS										DRWN: MDHARMANTI 2019/01/14									
▽ = 0		THIRD ANGLE PROJECTION										APPR: RSILLER 2019/02/01									
DRAWING		A3-SIZE		SERIES 121040		MATERIAL NUMBER		CUSTOMER		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION					
						SEE PART LIST		GENERAL MARKET		1210400254		PSD		000		A1					
																SHEET NUMBER 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:**

- \*-INDICATES SPACER USED IN THE ASSEMBLY.
- \$-INDICATES CABLE-TIE USED IN THE ASSEMBLY.
- 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:

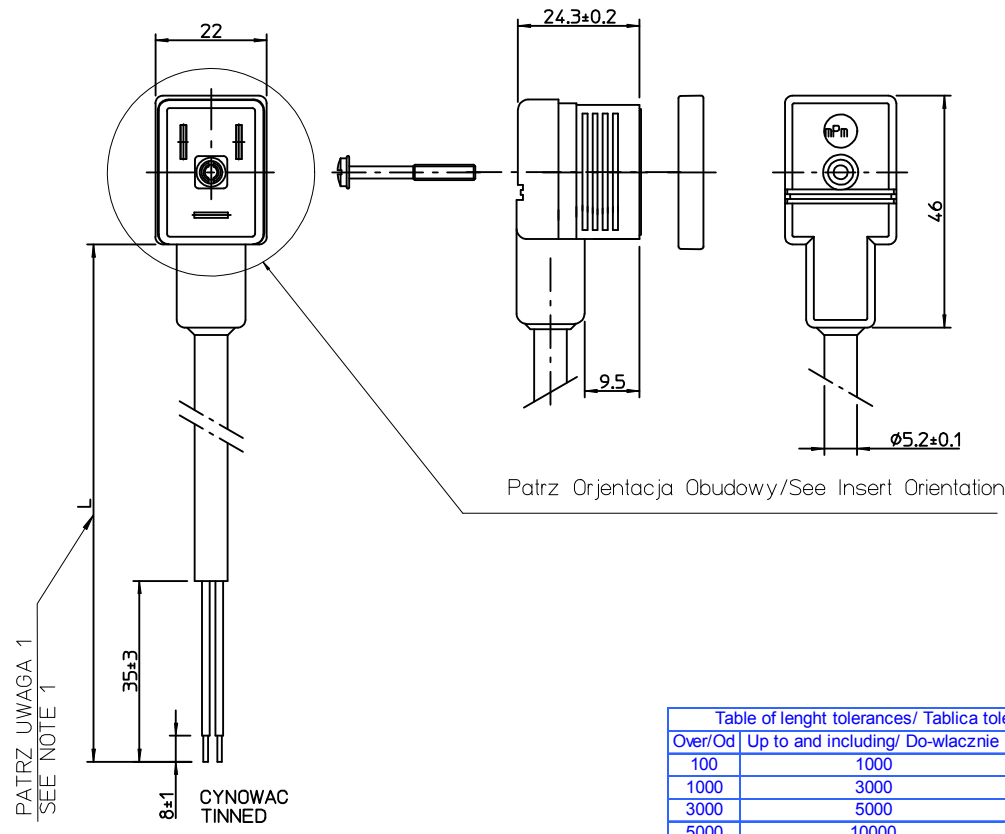
NITRILE RUBBER (NBR) GASKET: -40°C TO +90°C

SILICONE GASKET: -40°C TO +125°C

PROTECTION: IP65

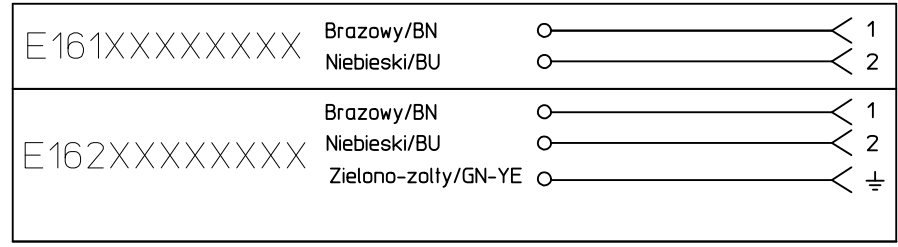
<b>SYMBOLS</b> ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		CURRENT REV DESC: REDRAWN		  MPM E16XXXXXXXXXX  PRODUCT CUSTOMER DRAWING
	DIMENSION UNITS	SCALE	EC NO: 621216		
	mm	1:1	DRWN: APAWLAK01	2019/07/24	
	GENERAL TOLERANCES (UNLESS SPECIFIED)		CHK'D: RSILLER	2019/07/29	
ANGULAR TOL ± 1.0°		APPR: RSILLER	2019/07/29	DOCUMENT NUMBER	
4 PLACES ±		INITIAL REVISION:		1210400254	
3 PLACES ±		DRWN: MDHARMANTI	2019/01/14	DOC TYPE	DOC PART
2 PLACES ± 0.05		APPR: RSILLER	2019/02/01	PSD	000
1 PLACE ± 0.3		MATERIAL NUMBER		REVISION	
0 PLACES ± 0.5		A3-SIZE		A1	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION	DRAWING	SERIES	CUSTOMER
			A3-SIZE	121040	SEE PART LIST
					GENERAL MARKET
					SHEET NUMBER
					3 OF 3

DOCUMENT STATUS	P1	RELEASE DATE	2019/07/29	11:11:59
-----------------	----	--------------	------------	----------



Patrz Orientacja Obudowy/See Insert Orientation

SCHEMAT POLACZEN/WIRING CONFIGURATION



Orientacja Obudowy/Insert Orientation

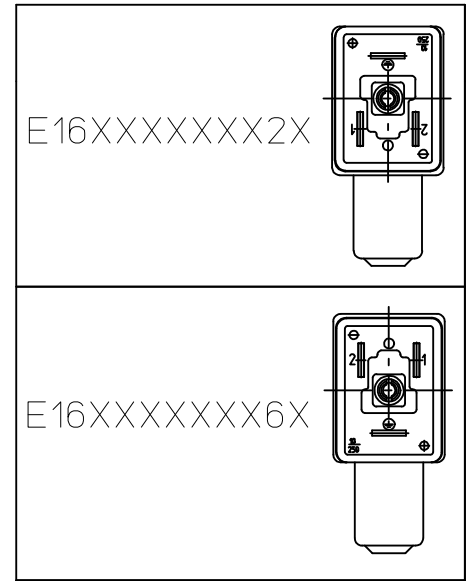
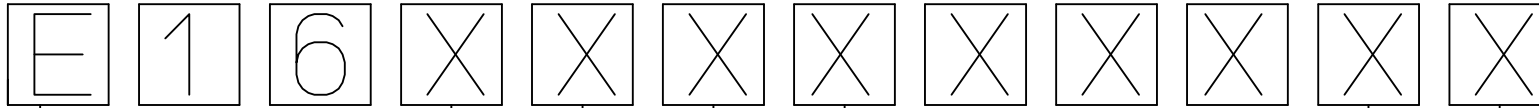


Table of length tolerances/ Tablica tolerancji dlugosci mm		
Over/Od	Up to and including/ Do-wlacznie	Tolerance/Tolerancja +/-
100	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
	>20000	L/100

- UWAGI:
- DLUGOSC PATRZ ARKUSZ 2.
- NOTES:
- LENGTH SEE SHEET 2.

ORIGINAL RELEASE EC NO: WEU2009-0394 DRWIN: MWOLSZCZAK 2009/05/26 CHYKD: MDABROWSKA 2009/05/29 APPR: GOGRODNIK 2009/06/08	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	FIRST ANGLE PROJECTION
	▽=0 ◻=0	mm INCH	MM ONLY	---	METRIC	
	DESCRIPTION	4 PLACES ± --- ± ---	DRAWN BY DATE	TITLE		
	REV	3 PLACES ± --- ± ---	MLEVYTSKYY 2009/01/21	MPM E16XXXXXXXXX		
	2 PLACES ± --- ± ---	CHECKED BY DATE	MATERIAL NO.			
	1 PLACE ± --- ± ---	MDABROWSKA 2009/01/21	DOCUMENT NO.			
	ANGULAR ± --- °	APPROVED BY DATE	SHEET NO.			
		MWOLSZCZAK 2009/01/21	1 OF 4			
			MOLEX INCORPORATED			
			E16XXXXXXXXX			
			SEE DRAWING			
			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			



E - Pakowanie bez workow  
 W - Pakowanie pojedynczo  
 Q - Szybkie pakowanie

ILOSC PRZEWODOW/NUMBER OF WIRES:  
 1=2 PRZEWODY,  
 2=2 PRZEWODY+UZIEMIENIE,  
 3=3 PRZEWODY+UZIEMIENIE.

TYP KABLA/CABLE TYPE  
 PATRZ TABELA 1/SEE TABLE 1

RODZAJ KABLA/CABLE CROSS SECTION AREA  
 PATRZ TABELA 2/SEE TABLE 2

KOLOR MOULDINGU/HEAD COLOUR:  
 G=SZARY/GREY,  
 N=CZARNY/BLACK,  
 T=PRZEZROCZYSTY/TRANSPARENT,  
 A=CZARNY/BLACK,  
 B=SZARY/GREY.

DLUGOSC KABLA W CM/CABLE LENGHT IN CM  
 NP:050=50 CM, 300=300 CM.

POLOZENIE PINU Z UZIEMIENIEM(PATRZ TABELA ORIENTACJA OBUDOWY)/EARTH PIN LOCATION(SEE INSERT ORIENTATION TABLE):

- 1=PODWOJNE UZIEMIENIE NA GODZINIE 6 ORAZ 12/DOUBLE EARTH ON 6H AND 12H,
- 2=UZIEMIENIE NA GODZINIE 12/EARTH ON 12H,
- 6=UZIEMIENIE NA GODZINIE 6/EARTH ON 6H,
- 4=PODWOJNE UZIEMIENIE NA GODZINIE 3 ORAZ 9/DOUBLE EARTH ON 3H AND 9H,
- 3=UZIEMIENIE NA GODZINIE 3/EARTH ON 3H,
- 9=UZIEMIENIE NA GODZINIE 9/EARTH ON 9H.

GASKET ORAZ SRUBY/GASKET SCREWS:

- 1=GASKET PROFILOWANY+SRUBA/NBR PROFILE GASKET+FIXING SCREWS,
- 2=NBR PLASKI GASKET+SRUBA/NBR FLAT GASKET+SCREW,
- 3=SILIKONOWY PROFILOWANY GASKET+SRUBA/SILICONE PROFILE GASKET+SCREW,
- 4=SILIKONOWY PLASKI GASKET+SRUBA/SILICON FLAT GASKET+SCREW,
- P=ZINTEGROWANY GASKET+SRUBA/INTEGRATED GASKET+FIXING SCREW,
- R=ZINTEGROWANY GASKET+SRUBA/INTAGRATED GASKET+SCREW,
- T=PROFILOWANY GASKET+SRUBA, PROFILE GASKET+SCREW.

ORIGINAL RELEASE EC NO: WEU2009-0394 DRWN: MWOL SZCZAK 2009/05/26 CHKD: MDABROWSKA 2009/05/29 APPR: GOGRODNIK 2009/06/08	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE ---	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION			
			mm	INCH	DRAWN BY MLEVYTSKYY	DATE 2009/01/21	TITLE MPM E16XXXXXXXXXX					
			4 PLACES	± ---	± ---	CHECKED BY MDABROWSKA	DATE 2009/01/21	MOLEX INCORPORATED DOCUMENT NO. E16XXXXXXXXXX SHEET NO. 2 OF 4				
			3 PLACES	± ---	± ---	APPROVED BY MWOLSZZYK	DATE 2009/01/21					
	2 PLACES	± ---	± ---	MATERIAL NO. SEE DRAWING		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
	1 PLACE	± ---	± ---	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS								

TABELA 2 KABLE/TABLE 2 CABLES

MOLEX PN	mPm	Code	PRZEW	PRZEKROJ	MATERIAL	KOLOR/COLOUR	SREDNICA Ø	DIN A-B	DIN C
1210180080	I	0	3	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
-	A	2	3	20 AWG	PVC CSA/UL 2661	Czarny/Black	5,6+/-0,2 mm	OK.	OK.
1210180394	A	2	4	20 AWG	PVC CSA/UL 2661	Czarny/Black	6,2+/-0,2 mm	OK.	OK.
-	A	2	5	20 AWG	PVC CSA/UL 2661	Czarny/Black	7+/-0,2 mm	OK.	OK.
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
1210180126	B	2	3	20 AWG	PUR CSA/UL 20668	Czarny/Black	5,6+/-0,2 mm	OK.	OK.
1210180387	B	2	4	20 AWG	PUR CSA/UL 20668	Czarny/Black	6,2+/-0,2 mm	OK.	OK.
-	B	2	5	20 AWG	PUR CSA/UL 20668	Czarny/Black	7+/-0,2 mm	OK.	OK.
1210180122	D	2	3	0,5 mm2	PVC T12 CEI 20-20	Szary/Grey	-	-	-
-	F	2	3	0,5 mm2	CNOMO	Szary/Grey RAL7000	5,5+/-0,2 mm	OK.	OK.
1210180047	I	2	2	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	5,5+/-0,2 mm	OK.	OK.
-	I	2	3	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	5,5+/-0,2 mm	OK.	OK.
1210180146	I	2	4	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	6,5+/-0,2 mm	OK.	OK.
1210180177	I	2	5	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7+/-0,2 mm	OK.	OK.
1210180022	N	2	2	0,5 mm2	PVCH03	Czarny/Black	5,1+ 0,2-0 mm	OK.	OK.
1210180064	N	2	3	0,5 mm2	PVCH03	Czarny/Black	5,4+ 0,2-0 mm	OK.	OK.
1210180153	N	2	4	0,5 mm2	PVCH03	Czarny/Black	5,75+0,2-0 mm	OK.	OK.
1210180046	P	2	2	0,5 mm2	PUR - BLEND	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
-	P	2	3	0,5 mm2	PUR - BLEND	Czarny/Black	5,5+/-0,2 mm	OK.	OK.
1210180302	P	2	4	0,5 mm2	PUR - BLEND	Czarny/Black	-	-	-
-	P	2	5	0,5 mm2	PUR - BLEND	Czarny/Black	7+/-0,2 mm	OK.	OK.
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Czarny/Black	6,5+/-0,2 mm	OK.	OK.
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Czarny/Black	6,5+/-0,2 mm	OK.	OK.
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Czarny/Black	7+/-0,2 mm	OK.	OK.
-	A	3	5	18 AWG	PVC CSA/UL 2661	Czarny/Black	7,8+/-0,2 mm	OK.	OK.
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Czarny/Black	6,5+/-0,2 mm	OK.	OK.
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Czarny/Black	6,5+/-0,2 mm	OK.	OK.
1210180127	B	3	4	18 AWG	PUR CSA/UL 20668	Czarny/Black	7+/-0,2 mm	OK.	OK.
-	B	3	5	18 AWG	PUR CSA/UL 20668	Czarny/Black	7,8+/-0,2 mm	OK.	OK.
1210180073	D	3	3	0,75 mm2	PVC T12 CEI 20-20	Szary/Grey	-	-	-
1210180145	D	3	4	0,75 mm2	PVC T12 CEI 20-20	Szary/Grey	-	-	-
1210180120	I	3	3	0,75 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
1210180143	I	3	4	0,75 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
1210180032	N	3	2	0,75 mm2	PVCH05	Czarny/Black	6,2+ 0,2-0 mm	OK.	OK.
1210180069	N	3	3	0,75 mm2	PVCH05	Czarny/Black	6,6+0,2-0 mm	OK.	OK.
-	N	3	4	0,75 mm2	PVCH05	Czarny/Black	7,15+0,2-0 mm	OK.	OK.
1210180174	N	3	5	0,75 mm2	PVCH05	Czarny/Black	8,0+0,2-0 mm	OK.	OK.
-	P	3	2	0,75 mm2	PUR - BLEND	Czarny/Black	6,5+/-0,2 mm	OK.	OK.

TABELA 2 KABLE/TABLE 2 CABLES

MOLEX PN	mPm	Code	PRZEW	PRZEKROJ	MATERIAL	KOLOR/COLOUR	SREDNICA Ø	DIN A-B	DIN C
1210180071	P	3	3	0,75 mm2	PUR - BLEND	Czarny/Black	6,5+/-0,2 mm	OK.	OK.
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Czarny/Black	7+/-0,2 mm	OK.	OK.
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Czarny/Black	6,5+/-0,2 mm	OK.	OK.
1210180094	T	3	3	0,75 mm2	PUR CSA/UL	Żółty/Yellow	-	-	-
1210180309	Y	3	3	0,75 mm2	SIL/0300	Czerwony/Red	6,5+/-0,2 mm	-	-
1210180081	F	4	3	1 mm2	CNOMO	Szary/Grey RAL7000	-	-	-
-	F	4	4	1 mm2	CNOMO	Szary/Grey RAL7000	7,1+0,2-0 mm	OK.	OK.
1210180042	I	4	2	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	OK.
1210180079	I	4	3	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	OK.
1210180036	N	4	2	1 mm2	PVCH05	Czarny/Black	6,5+0,2-0 mm	OK.	OK.
1210180082	N	4	3	1 mm2	PVCH05	Czarny/Black	6,9+0,2-0 mm	OK.	OK.
1210180117	R	4	3	1 mm2	TPR HAL. FREE	Czarny/Black	-	-	-
1210180085	N	5	3	1,5 mm2	PVCH05	Czarny/Black	8,3+0,2-0 mm	OK.	OK.
1210180313	I	6	2	0,35 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-
-	A	7	3	20 AWG	PVC CSA/UL 2661	Żółty/Yellow	5,6+/-0,2 mm	OK.	OK.
1210180149	I	9	4	0,75 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	-	-	-

TABELA 1 TYPY KABLI/TABLE 1 CABLES TYPE

Znakowanie /Code	Rodzaje kabla /Cable types	Właściwości /Features	Przekroje /Stranding
N	PVC	Kabel z dobrą rezystancją w wodzie ale słabą w oleju./Application general purpose cable which has good resistance to water, but usually poor oil resistance.	0.5 mm2 = 15 x 0.20 0.75 mm2 = 21 x 0.20 1 mm2 = 28 x 0.20
I	PVC	Zatwierdzone przez IEC 332-2A, samogaszący./Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.	0.5 mm2 = 28 x 0.15 0.75 mm2 = 42 x 0.15 1 mm2 = 32 x 0.20
P	PVC	Dobra rezystancja w olejach i chemikaljach./Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.	0.5 mm2 = 28 x 0.15 0.75 mm2 = 42 x 0.15 1 mm2 = 32 x 0.20
A	PVC	Zatwierdzony porzez CSA-UL 2661.Dobra rezystancja na wodę słaba na olej./ Approved to CSA-UL 2661, application general purpose cable which has good resistance to water, but usually poor oil resistance.	20 AWG = 32 x 0.15 18 AWG = 52 x 0.15
B	PVC	Zatwierdzony przez CSA-UL 20668, bardzo dobra rezystancja w oleju i chemikaljach./ Approved to CSA-UL 20668, very good resistance to oil and chemicals.	20 AWG = 32 x 0.15 18 AWG = 52 x 0.15

ORIGINAL RELEASE  
EC NO: WEU2009-0394  
DRWIN:WOL SZCZAK 2009/05/26  
CHKD:MDABROWSKA 2009/05/29  
APPR:GOGRODNIK 2009/06/08

QUALITY SYMBOLS  
▽=0  
◻=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---

ANGULAR ±---°

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE  
MM ONLY

DRAWN BY	DATE
MLEVYTSKYY	2009/01/21
CHECKED BY	DATE
MDABROWSKA	2009/01/21
APPROVED BY	DATE
MWOLSZZCZAK	2009/01/21

MATERIAL NO.  
SEE DRAWING

SCALE  
---

DESIGN UNITS  
METRIC

FIRST ANGLE PROJECTION

TITLE  
MPM E16XXXXXXXXXX

MOLEX MOLEX INCORPORATED

DOCUMENT NO.  
E16XXXXXXXXXX

SHEET NO.  
3 OF 4

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

TABELA 3/CHART 3

MOLEX P/N	WOODHEAD P/N	MOLEX P/N	WOODHEAD P/N	MOLEX P/N	WOODHEAD P/N
1210400625	E 161N2N10021	1210400303	E 162N3N15061	1210401089	W 161N2N20K2R
1210401003	E 161N2N1002P	1210400843	E 162N3N15K21	1210401088	W 161N2N5002R
1210400869	E 161N2N10K21	1210400305	E 162N3N20021	1210401119	W 162A2A1002R
1210400241	E 161N3N20021	1210400927	E 162N3N20023	1210401085	W 162N2N10K2R
1210400935	E 161N3N50061	1210400307	E 162N3N20061	1210401087	W 162N2N20K2R
1210400778	E 162I2N10022	1210400308	E 162N3N25021	1210401094	W 162N2N3002R
1210400904	E 162I2N20021	1210400310	E 162N3N25061	1210401084	W 162N2N5002R
1210400254	E 162I2N20061	1210400311	E 162N3N30021	1210401093	W 162N3N2002R
1210400581	E 162I2N30021	1210400312	E 162N3N30022	1210401111	W 162N3N2006R
1210400654	E 162I2N30061	1210400313	E 162N3N30061	1210401091	W 162N3N5002R
1210400255	E 162I2N50021	1210400319	E 162N3N40061	1210401116	W 162P3N2002R
1210400891	E 162I2N50061	1210400320	E 162N3N50021	1210401135	W 162A3A10K2R
1210400964	E 162I4N10K62	1210400322	E 162N3N50061	1210401137	W 162A3A5002R
1210400269	E 162I4N50061	1210400822	E 162N3N5006P	1210401053	W 162N2N30021
1210400963	E 162I4N50062	1210400840	E 162N3N75021	1210401040	W 162N3N20021
1210400876	E 162N2N05021	1210400919	E 162P2N30021	1210401093	W 162N3N2002R
1210400271	E 162N2N10021	1210400657	E 162P3N20021	1210400821	E 162N3N3006P
1210400832	E 162N2N1002P	1210401015	E 162P3N30021	1210401140	E 161N2N30021
1210400283	E 162N3N03061	1210401016	E 162P3N50021	1210401133	E 161N3N20022
1210400284	E 162N3N03521	1210400936	E 162P3N5002P	1210401136	E 162A3A20K2R
1210400286	E 162N3N05021	1210400711	E 162R3N30021	1210400278	E 162N2N50021
1210400288	E 162N3N05061	1210401138	E 161N3N10061	1210400915	E 162N3N06062
1210400295	E 162N3N10021	1210401086	W 161N2N10K2R	1210400301	E 162N3N15021
1210400296	E 162N3N10022	1210401089	W 161N2N20K2R	1210400903	E 162N4N20021
1210400297	E 162N3N10061	1210401088	W 161N2N5002R	1210400977	E 162N4N50021
1210400820	E 162N3N1006P	1210400948	W 161A2A20K2R	1210400823	E 162P3N1006P
1210400299	E 162N3N10K21	1210400949	W 161A2A5002R	1210400824	E 162P3N3006P
1210400842	E 162N3N13K21	1210401086	W 161N2N10K2R		

ORIGINAL RELEASE EC NO: WEU2009-0394 DRWIN: MWLSZCZAK 2009/05/26 CHYKD: MDABROWSKA 2009/05/29 APPR: GOGRODNIK 2009/06/08	DESCRIPTION REV	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE	SCALE	DESIGN UNITS	FIRST ANGLE PROJECTION
		▼=0 □=0	mm INCH	MM ONLY	---	METRIC	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- ANGULAR ± ---°	DRAWN BY DATE MLEVYTSKYY 2009/01/21 CHECKED BY DATE MDABROWSKA 2009/01/21 APPROVED BY DATE MWLSZCZAK 2009/01/21 MATERIAL NO.	TITLE MPM E16XXXXXXXXXX			
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SEE DRAWING SIZE A3 THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	MOLEX INCORPORATED DOCUMENT NO. E16XXXXXXXXXX SHEET NO. 4 OF 4			