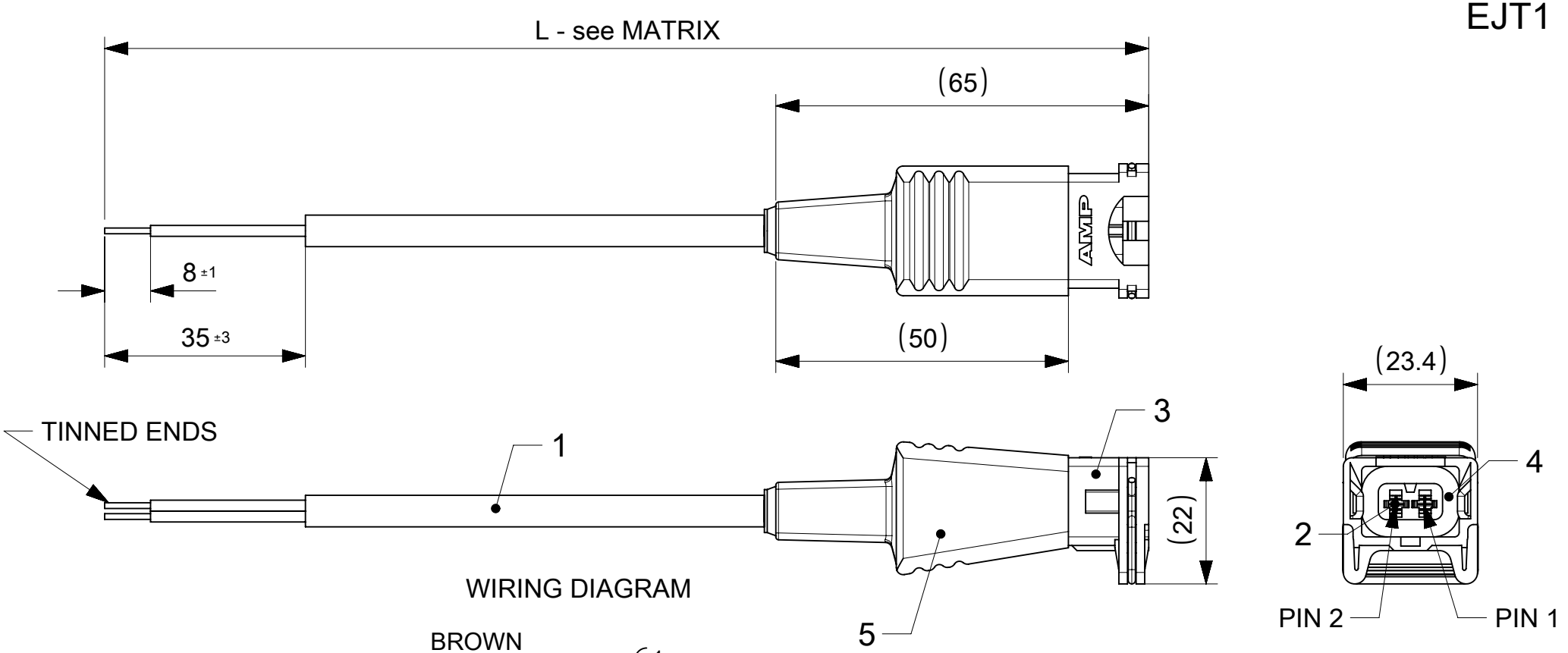
EJT1



WIRING DIAGRAM



NOTE:
1. MATRIX AND PART LIST ON SHEET 2
2. DRAWING REPLACES SD-121046-002
3. VOLTAGE RATING: 24V

BILL OF MATERIALS

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
1	-	CABLE	SEE MATRIX	-
2	2	CONTACT FEMALE	PH. BRONZE	-
3	1	HOUSING 2P	PA6.6	BLACK
4	1	GASKET	SILICONE	WHITE
5	-	MOULDING MATERIAL	PP	BLACK

DOCUMENT STATUS	P1	RELEASE DATE	2021/10/19 12:55:13

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS: mm
SCALE: 1:1
GENERAL TOLERANCES (UNLESS SPECIFIED)
ANGULAR TOL ± °
4 PLACES ±
3 PLACES ±
2 PLACES ±
1 PLACE ±
0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 681912
DRWN: APAWLAK01 2021/10/12
CHK'D: RSILLER 2021/10/19
APPR: RSILLER 2021/10/19

INITIAL REVISION:
DRWN: APAWLAK01 2021/10/12
APPR: RSILLER 2021/10/19

THIRD ANGLE PROJECTION
DRAWING: A4-SIZE
SERIES: 121046

molex

JUNIOR TIMER 2P FE STR EJT1XXXXXX

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210460005	PSD	000	A

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 2	GENERAL MARKET	1 OF 2

FORMAT: master-tb-prod-A4
REVISION: J1
DATE: 2021/05/01

PART No MATRIX

E	J	T	1	X	X	X	X	X	X

JUNIOR CONNECTORS

CONNECTOR TYPE:
1 - 2 WIRES, STRAIGHT

CABLE TYPE:
B3 - PUR BLACK 2x18AWG
N2 - PVC BLACK 2x0.5mm^2
N3 - PVC BLACK 2x0.75mm^2
P2 - PUR BLACK 2x0.5mm^2
P3 - PUR BLACK 2x0.75mm^2

HEAD COLOR:
N - BLACK
A - UL BLACK

CABLE LENGTH [cm]
050 = 50cm
300 = 300cm
10K = 1000cm

PART LIST

MOLEX PN	ENGINEERING NO	L±TOL. [mm]
1210460005	EJT1P3N200	2000±30
1210460006	EJT1P3N500	5000±40
1210460008	EJT1P3N300	3000±30
1210460009	EJT1P2N100	1000±20
1210460011	EJT1P3N100	1000±20
1210460012	EJT1P3N800	8000±50
1210460013	EJT1N3N150	1500±30
1210460014	EJT1P2N300	3000±30
1210460015	EJT1P3N150	1500±30
1210460024	EJT1P2N400	4000±40
1210460025	EJT1N3N100	1000±20
1210460026	EJT1P2N600	6000±50
1210460027	EJT1P3N10K	10000±50
1210460028	EJT1N3N200	2000±30
1210460034	EJT1P2N10K	10000±50
1210560056	EJT1N2N300	3000±30
1210560201	EJT1N2N100	1000±20
1210560249	EJT1B3A500	5000±40

TABLE OF LENGHT TOLERANCES		
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

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FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0
DIVISIONAL SYMBOLS

DIMENSION UNITS	SCALE
mm	1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

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

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

CURRENT REV DESC:

EC NO: 681912
DRWN: APAWLAK01 2021/10/12
CHK'D: RSILLER 2021/10/19
APPR: RSILLER 2021/10/19

INITIAL REVISION:
DRWN: APAWLAK01 2021/10/12
APPR: RSILLER 2021/10/19

molex

JUNIOR TIMER 2P FE STR EJT1XXXXXX

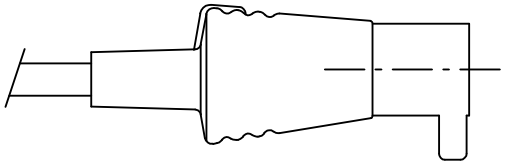
PRODUCT CUSTOMER DRAWING

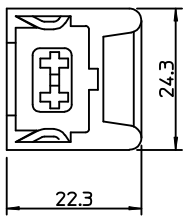
DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
1210460005	PSD	000	A

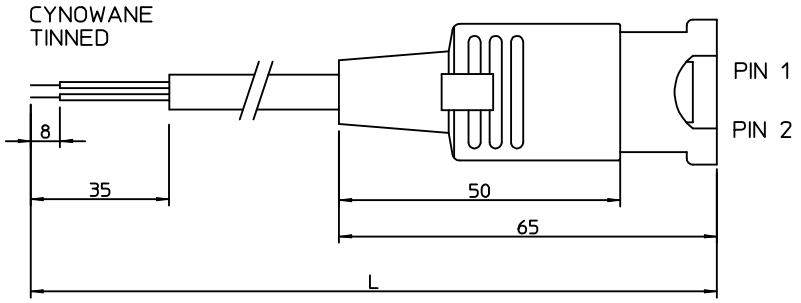
THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A4-SIZE	121046	SEE PART LIST	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2021/10/19 12:55:13

FORMAT: master-tb-prod-A4
REVISION: J1
DATE: 2021/05/01

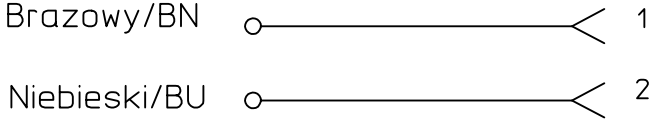






PATRZ UWAGA 1
SEE NOTE 1

SCHEMAT ELEKTRYCZNY
ELECTRICAL DIAGRAM



UWAGI:

1. DLUGOSC PATRZ ARKUSZ 2.

NOTES:

1. LENGHT SEE SHEET 2.

ORIGINAL RELEASE	2009/05/28		
EC NO:			
DRWN:MWOLSZCZAK	2009/06/08		
CH'KD:MDABROWSKA	2009/06/16		
APPR:GGRODNIK			
DESCRIPTION			
A			REV

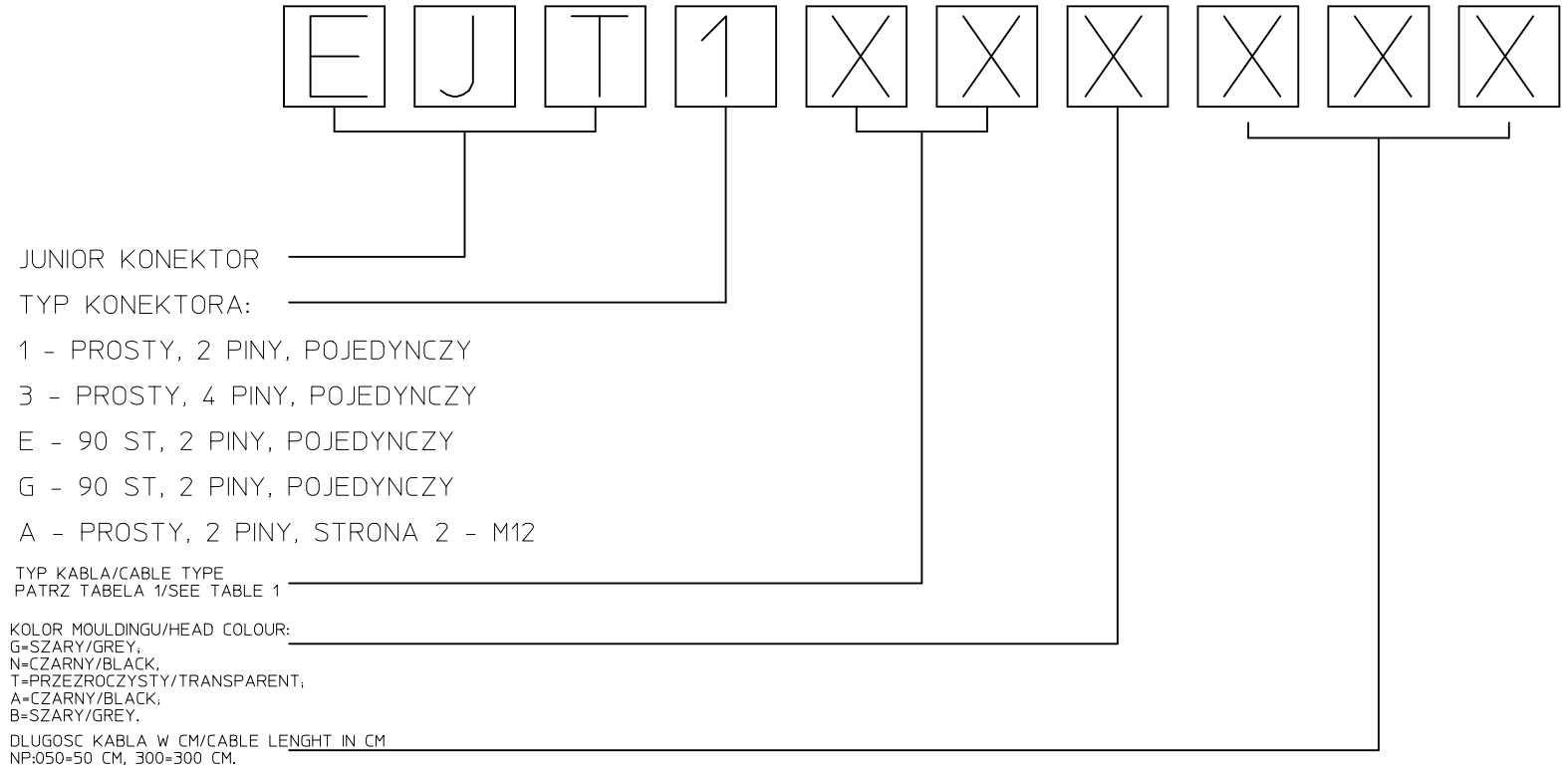
QUALITY SYMBOLS
▼=0
Ⓒ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: INCH ONLY	SCALE: 1:1	DESIGN UNITS: METRIC	FIRST ANGLE PROJECTION
DRAWN BY: MLEVYTSKYY	DATE: 2009/04/20	TITLE: MPM EJT1XXXXXX	
CHECKED BY: MDABROWSKA	DATE: 2009/04/20		
APPROVED BY: MWOLSZCZAK	DATE: 2009/04/20	molex MOLEX INCORPORATED	
MATERIAL NO.: SEE DRAWING		DOCUMENT NO.: EJT1XXXXXX	SHEET NO.: 1 OF 4
SIZE: A3			

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ORIGINAL RELEASE
EC NO:
DRWN:MWOLSZCZAK 2009/05/28
CH'KD:MDABROWSKA 2009/06/08
APPR:GGRODNIK 2009/06/16
DESCRIPTION
A
REV

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
SCALE: ---
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

DRAWN BY: MLEVYTSKYY DATE: 2009/04/20
CHECKED BY: MDABROWSKA DATE: 2009/04/20
APPROVED BY: MWOLSZCZAK DATE: 2009/04/20

TITLE: MPM EJT1XXXXXX

molex MOLEX INCORPORATED

MATERIAL NO.: SEE DRAWING
DOCUMENT NO.: EJT1XXXXXX
SHEET NO.: 2 OF 1
SIZE: A3

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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.	
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.	
1210180122	D	2	3	0,5 mm2	PVC TI2 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.	
1210180177	I	2	5	0,5 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7+/-0,2 mm	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.	
1210180129	A	3	3	18 AWG	PVC CSA/UL 2661	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180159	A	3	4	18 AWG	PVC CSA/UL 2661	Czarny/Black	7+/-0,2 mm	OK.	
-	A	3	5	18 AWG	PVC CSA/UL 2661	Czarny/Black	7,8+/-0,2 mm	OK.	
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180127	B	3	3	18 AWG	PUR CSA/UL 20668	Czarny/Black	6,5+/-0,2 mm	OK.	
1210180127	B	3	4	18 AWG	PUR CSA/UL 20668	Czarny/Black	7+/-0,2 mm	OK.	
-	B	3	5	18 AWG	PUR CSA/UL 20668	Czarny/Black	7,8+/-0,2 mm	OK.	
1210180073	D	3	3	0,75 mm2	PVC TI2 CEI 20-20	Szary/Grey	-	-	-
1210180145	D	3	4	0,75 mm2	PVC TI2 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.	
1210180069	N	3	3	0,75 mm2	PVCH05	Czarny/Black	6,6+0,2-0 mm	OK.	
-	N	3	4	0,75 mm2	PVCH05	Czarny/Black	7,15+0,2-0 mm	OK.	
1210180174	N	3	5	0,75 mm2	PVCH05	Czarny/Black	8,0+0,2-0 mm	OK.	
-	P	3	2	0,75 mm2	PUR - BLEND	Czarny/Black	6,5+/-0,2 mm	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.	
1210180152	P	3	4	0,75 mm2	PUR - BLEND	Czarny/Black	7+/-0,2 mm	OK.	
1210180384	R	3	3	0,75 mm2	TPR HAL. FREE	Czarny/Black	6,5+/-0,2 mm	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.	
1210180042	I	4	2	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	
1210180079	I	4	3	1 mm2	PVC CEI 2022 II O.R.	Szary/Grey RAL7035	7,1+0,2-0 mm	OK.	
1210180036	N	4	2	1 mm2	PVCH05	Czarny/Black	6,5+0,2-0 mm	OK.	
1210180082	N	4	3	1 mm2	PVCH05	Czarny/Black	6,9+0,2-0 mm	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.	
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	Zatwierdzione 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 wode 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 rezystanja 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 2009/05/28
EC NO: DRWN:MWOLSZCZAK 2009/06/08
CH'KD:MDABROWSKA 2009/06/16
APPR:GGRODNIK
DESCRIPTION
A
REV

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
SCALE: ---
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

DRAWN BY: MLEVYTSKYY DATE: 2009/04/20
CHECKED BY: MDABROWSKA DATE: 2009/04/20
APPROVED BY: MWOLSZCZAK DATE: 2009/04/20

TITLE: MPM EJT1XXXXXX

molex MOLEX INCORPORATED

MATERIAL NO.: SEE DRAWING
DOCUMENT NO.: EJT1XXXXXX
SHEET NO.: 3 OF 4
SIZE: A3

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TABELA 3/CHART 3

MOLEX P/N	WOODHEAD P/N		MOLEX P/N	WOODHEAD P/N
1210560056	EJT1N2N300			
1210460025	EJT1N3N100			
1210460009	EJT1P2N100			
1210460024	EJT1P2N400			
1210460026	EJT1P2N600			
1210460011	EJT1P3N100			
1210460005	EJT1P3N200			
1210460008	EJT1P3N300			
1210460006	EJT1P3N500			
1210460012	EJT1P3N800			
1210460027	EJT1P3N10K			

ORIGINAL RELEASE
EC NO:
DRWN:MWOLSZCZAK 2009/05/28
CH'KD:MDABROWSKA 2009/06/08
APPR:GOGRODNIK 2009/06/16
DESCRIPTION
A
REV

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
SCALE: ---
DESIGN UNITS: METRIC
FIRST ANGLE PROJECTION

DRAWN BY: MLEVYTSKYY DATE: 2009/04/20
CHECKED BY: MDABROWSKA DATE: 2009/04/20
APPROVED BY: MWOLSZCZAK DATE: 2009/04/20

TITLE: MPM EJT1XXXXXX

molex MOLEX INCORPORATED

MATERIAL NO.: SEE DRAWING
DOCUMENT NO.: EJT1XXXXXX
SHEET NO.: 4 OF 4
SIZE: A3

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PN KEY

E J T 1 X X X X X X

JUNIOR CONNECTORS

CONNECTOR TYPE:
1 - 2 WIRES, STRAIGHT

CABLE TYPE, SEE SHEET 2, CHART 1 AND CHART 2

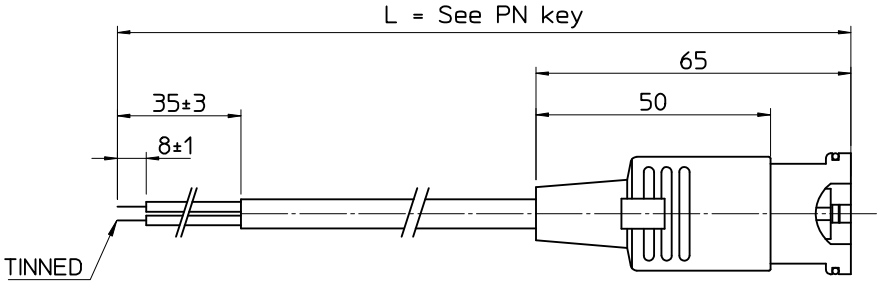
HEAD COLOR:
G=GRAY; N=BLACK; T=TRANSPARENT; A=CSA-UL BLACK; B=CSA-UL GRAY

CABLE LENGHT IN CENTIMETRES:
EXAMPLE: 050=50 CM, 300=300 CM.

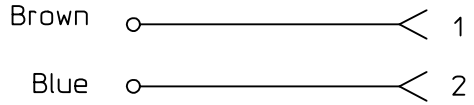
Table of lenght tolerances [mm]		
Over	Up to and including	Tolerance
0	1000	±20
1000	3000	±30
3000	5000	±40
5000	10000	±50
10000	15000	±100
15000	20000	±150
20000		±L/100

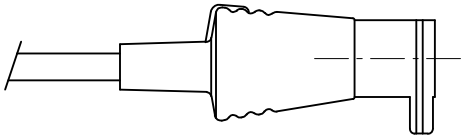
TABLE 1

MOLEX PN	Engineering No.	L [mm]
1210460005	EJT1P3N200	2000
1210460006	EJT1P3N500	5000
1210460008	EJT1P3N300	3000
1210460009	EJT1P2N100	1000
1210460011	EJT1P3N100	1000
1210460012	EJT1P3N800	8000
1210460013	EJT1N3N150	1500
1210460014	EJT1P2N300	3000
1210460015	EJT1P3N150	1500
1210460024	EJT1P2N400	4000
1210460025	EJT1N3N100	1000
1210460026	EJT1P2N600	6000
1210460027	EJT1P3N10K	10000
1210460028	EJT1N3N200	2000
1210460034	EJT1P2N10K	10000
1210560056	EJT1N2N300	3000
1210560201	EJT1N2N100	1000

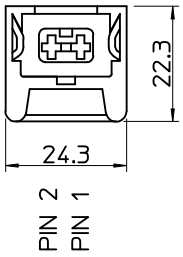


ELECTRICAL DIAGRAM





Face View



NOTES:
1. Dimensions without tolerances are referential

ORIGINAL RELEASE EC NO: IPG2016-0461 DRWN:JMARSZALEK 2014/05/31 CH'KD: APPR:MIWASIECZKO 2015/09/28 DESCRIPTION	QUALITY SYMBOLS ▼=0 ⓒ=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE -	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION	
		mm / INCH	DRAWN BY JMARSZALEK DATE 2014/05/31	TITLE EJT1XXXXXX JUNIOR TIMER 2P FE STR			
		4 PLACES ± --- / ± ---	CHECKED BY DATE				
		3 PLACES ± --- / ± ---					
		2 PLACES ± --- / ± ---	APPROVED BY DATE MIWASIECZKO 2015/09/28	molex			
		1 PLACE ± --- / ± ---					
		0 PLACE ± --- / ± ---	MATERIAL NO. SEE PN KEY	DOCUMENT NO. SD-121046-002	SHEET NO. 1 OF 2		
REV A		ANGULAR ±---° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	SIZE A3	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			

TABLE 2 - CABLES

TABLE 2 - CABLES

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 - TYPES OF CABLES

Code	Cable types	Features	Cross Section
N	PVC	Application general purpose cable which has good resistance to water, but usually poor oil resistance.	0.5 mm² 0.75 mm² 1 mm²
I	CEI	Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.	0.5 mm² 0.75 mm² 1 mm²
P	PUR	Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.	0.5 mm² 0.75 mm² 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.	20 AWG 18 AWG
B	PUR CSA-UL	Approved to CSA-UL 20668, very good resistance to oil and chemicals.	20 AWG 18 AWG

ORIGINAL RELEASE
EC NO: IPG2016-0461
DRWN: JMARSZALEK 2014/05/31
CH'KD:
APPR: MIWASIECZKO 2015/09/28
DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
Ⓒ=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: -
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JMARSZALEK DATE: 2014/05/31
CHECKED BY: DATE:
APPROVED BY: MIWASIECZKO DATE: 2015/09/28
MATERIAL NO.: SEE PN KEY

TITLE: EJT1XXXXXX
JUNIOR TIMER 2P FE STR

molex

DOCUMENT NO.: SD-121046-002
SHEET NO.: 2 OF 2
SIZE: A3

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

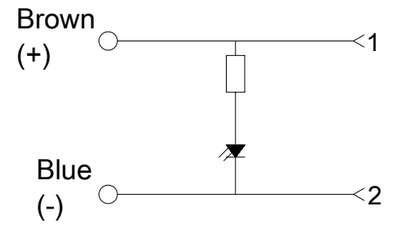
PART No MATRIX

E	J	T	1	X	X	X	X	X	X	X	X	X

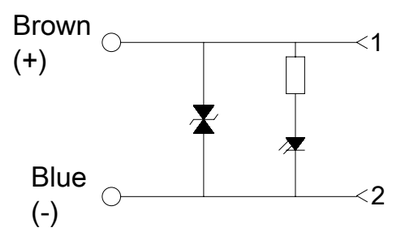
- JUNIOR TIMER
- CONNECTOR TYPE : 1 - STRAIGHT, 2 WIRES, SINGLE ENDED
- CABLE TYPE
- HEAD COLOR: N - BLACK; A - CSA-UL BLACK
- CABLE LENGTH [cm]: 050 = 50cm; 300 = 300cm; 10K = 1000cm
- INTERNAL CIRCUIT: SEE WIRING CONFIGURATION
- VOLTAGE AND LED COLOUR

RED LED	GREEN LED	YELLOW LED
1 = 12V	A = 12V	G = 12V
2 = 24V	B = 24V	H = 24V

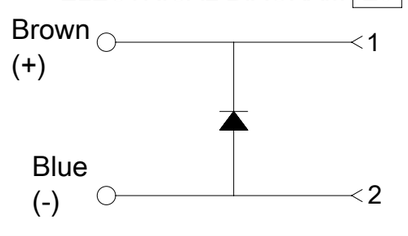
ELECTRICAL DIAGRAM A1



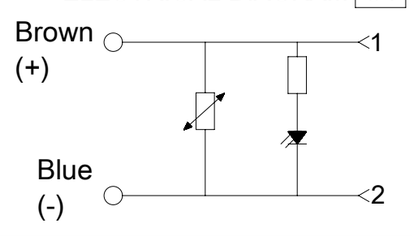
ELECTRICAL DIAGRAM S0



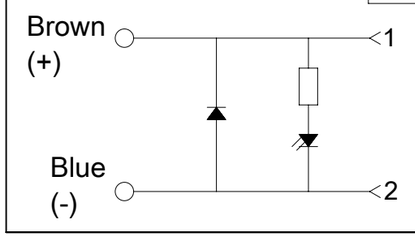
ELECTRICAL DIAGRAM E0

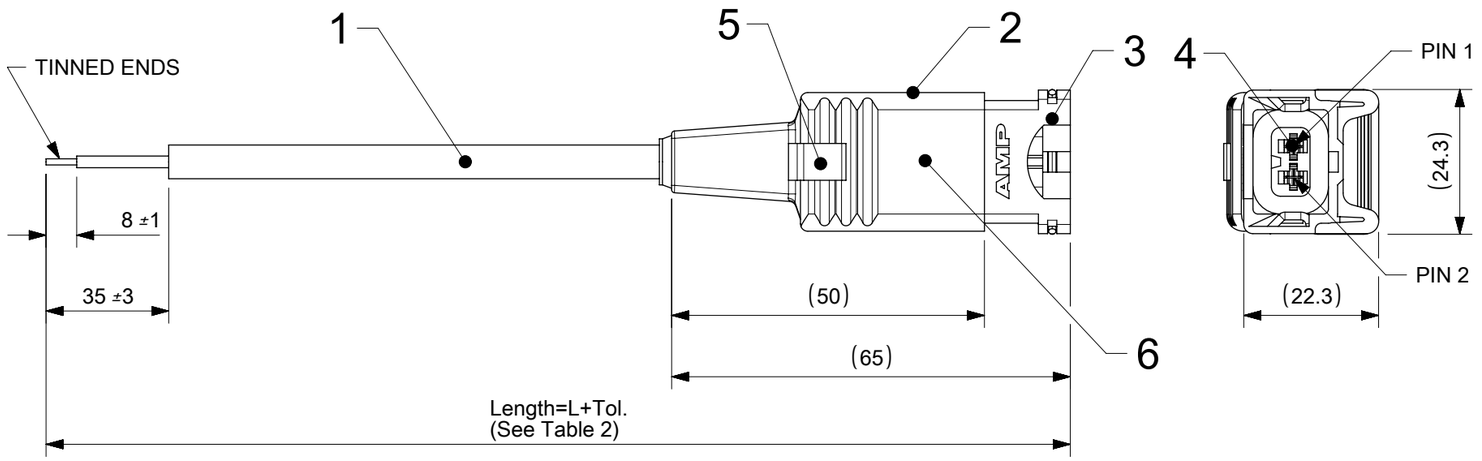


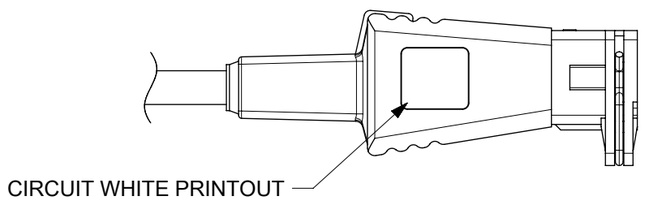
ELECTRICAL DIAGRAM C4



ELECTRICAL DIAGRAM C3







BILL OF MATERIALS

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR
6	-	ELECTRONIC COMPONENTS		
5	1	LENS	-	TRANSPARENT
4	2	CONTACT	PH. BRONZE	
3	1	HOUSING JUNIOR	PA6.6 GVF 30	BLACK
2	-	MOULDING MATERIAL	PP	BLACK
1	-	CABLE	SEE SHEET 2	SEE SHEET 2

DOCUMENT STATUS | P1 | RELEASE DATE | 2024/07/04 12:12:02

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

FUNCTIONAL SYMBOLS: FA = 0; FC = 0; FB = 0

DIVISIONAL SYMBOLS

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

CURRENT REV DESC:

EC NO: 791448
DRWN: APAWLAK01 2023/10/31
CHK'D: RSILLER 2024/07/04
APPR: RSILLER 2024/07/04

INITIAL REVISION:
DRWN: JMARSZALEK 2013/06/10
APPR: MIWASIECZKO 2014/05/08

THIRD ANGLE PROJECTION | DRAWING: A3-SIZE | SERIES: 121056

molex

JUNIOR TIMER EJT1

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-121056-002	PSD	001	B

MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
SEE SHEET 2	GENERAL MARKET	1 OF 2

FORMAT: master_mod-A3
REVISION: J1
DATE: 2021/05/06

Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors
1210180467	A	2	2	20 AWG	PVC CSA/UL 2661	Black	5.4±0.2	BN, BU
1210180409	A	3	2	18 AWG	PVC CSA/UL 2661	Black	6.2±0.25	BN, BU
1210180297	B	2	2	20 AWG	PUR CSA/UL 20668	Black	5.6±0.2	BN, BU
1210180351	B	3	2	18 AWG	PUR CSA/UL 20668	Black	6.2±0.2	BN, BU
1210180047	I	2	2	0.5 mm²	PVC CEI 2022 II O.R.	Grey	5.0+0.3/-0	BN, BU
1202098206	I	3	2	0.75 mm²	PVC CEI 2022 II O.R.	Grey	5.5±0.2	BK1, BK2
1210180042	I	4	2	1 mm²	PVC CEI 2022 II O.R.	Grey	7.1+0.2/-0	BN, BU
1210180313	I	6	2	0.35 mm²	PVC CEI 2011	Grey	4.8±0.2	BN, WH
1210180022	N	2	2	0.5 mm²	PVC H03VV-F	Black	~4.7mm	BN, BU
1210180032	N	3	2	0.75 mm²	PVC H05VV-F	Black	~5.9mm	BN, BU
1210180036	N	4	2	1 mm²	PVC H05VV-F	Black	~6.1mm	BN, BU
1210180046	P	2	2	0.5 mm²	PUR - BLEND	Black	5.5±0.2	BN, BU
1202094190	P	3	2	0.75 mm²	PUR - BLEND	Black	6.5±0.2	BN, BU
1552200102	W	2	2	0.5 mm²	WSOR	Black	~5.2mm	BN, BU
1552200135	W	3	2	0.75 mm²	WSOR	Black	~6.0mm	BN, BU

CABLE LIST

CODE	CABLE TYPE	FEATURES	CABLE TYPE CROSS SECTION
N	PVC	APPLICATION GENERAL PURPOSE CABLE WHICH HAS GOOD RESISTANCE TO WATER, BUT USUALLY POOR OIL RESISTANCE	N2=0.5mm² N3=0.75mm² N4=1mm²
I	CEI	APPROVED TO IEC 332-2A, FLAME RETARDANT AND SELF EXTINGUISHING LIMITED RESISTANT TO MINERAL OILS	I2=0.5mm² I3=0.75mm² I4=1mm²
P	PUR	OFFER GOOD RESISTANCE TO OIL AND CHEMICALS, CAN SWELL WHEN CONSTANTLY IMMERSED IN WATER	P2=0.5mm² P3=0.75mm² P4=1mm²
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
W	WSOR	WELD-SLAG AND OIL-RESISTANCE JACKET	W2=0.5mm² W3=0.75mm²

PART LIST

MOLEX P/N	ENGINEERING No.	L (mm)
1210560001	EJT1P3N150C4H	1500
1210560002	EJT1P3N200C4H	2000
1210560003	EJT1P3N500C4H	5000
1210560004	EJT1P3N300C4H	3000
1210560007	EJT1P3N300S0H	3000
1210560023	EJT1P3N500S0H	5000
1210560028	EJT1B3A100C42	1000
1210560031	EJT1B3A150C42	1500
1210560037	EJT1P3N050C32	500
1210560042	EJT1P2N150C4H	1500
1210560054	EJT1B2N300C42	3000
1210560055	EJT1B2N300C41	3000
1210560060	EJT1B3N100A1H	1000
1210560061	EJT1B2N10KC42	10000
1210560078	EJT1N3N10KC41	10000
1210560095	EJT1P3N150S0H	1500
1210560097	EJT1B3A200C41	2000
1210560101	EJT1B3A150C41	1500
1210560205	EJT1B3A10KC42	10000
1210560223	EJT1B3A300C42	3000
1210560225	EJT1P3N600C3G	6000
1210560239	EJT1P3N750C3H	7500
1210560240	EJT1P3N250C3H	2500
1210560241	EJT1P3N500C3H	5000
1210560242	EJT1P3N10KC3H	10000
1210560243	EJT1P3N15KC3H	15000
1210560244	EJT1B3A300C41	3000
1210560246	EJT1P3N200C42	2000
1210560247	EJT1P3N500C42	5000
1210560248	EJT1B2N150C32	1500
1210560262	EJT1W3N150S0H	1500
1210560263	EJT1W3N300S0H	3000

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

FUNCTIONAL SYMBOLS
FA = 0
FC = 0
FD = 0
DIVISIONAL SYMBOLS

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

DIMENSION UNITS	SCALE
mm	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

CURRENT REV DESC:

EC NO: 791448
DRWN: APAWLAK01 2023/10/31
CHK'D: RSILLER 2024/07/04
APPR: RSILLER 2024/07/04

INITIAL REVISION:
DRWN: JMARSZALEK 2013/06/10
APPR: MIWASIECZKO 2014/05/08

molex

JUNIOR TIMER EJT1

PRODUCT CUSTOMER DRAWING

DOCUMENT NUMBER	DOC TYPE	DOC PART	REVISION
SD-121056-002	PSD	001	B

THIRD ANGLE PROJECTION	DRAWING	SERIES	MATERIAL NUMBER	CUSTOMER	SHEET NUMBER
	A3-SIZE	121056	SEE PART LIST	GENERAL MARKET	2 OF 2

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/04 12:12:02

FORMAT: master-lb-prod-A3
REVISION: J1
DATE: 2021/05/01

TABELA 2 KABLE / TABLE 2 CABLES

Molex PN Raw cable	Cable type	Cable code	Wires no.	Cross Section	Jacket material	Jacket color	Diameter Ø [mm]	Wire colors
1202091424	I	0	3	1 mm²	PVC CEI 2022 II O.R.	Grey	7.6±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
1210180284	D	2	3	0.5 mm²	PVC CEI 20-20	Grey	5.5+0.3/-0	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
1210180148	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

TABELA 2 KABLE / TABLE 2 CABLES

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

Code	Cable types	Features	Cross Section
N	PVC	Application general purpose cable which has good resistance to water, but usually poor oil resistance.	0.5 mm² 0.75 mm² 1 mm²
I	CEI	Approved to IEC 332-2A, flame retardant and self extinguishing. Limited resistant to mineral oils.	0.5 mm² 0.75 mm² 1 mm²
P	PUR	Offer good resistance to oil and chemicals. Can swell when constantly immersed in water.	0.5 mm² 0.75 mm² 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.	20 AWG 18 AWG
B	PUR CSA-UL	Approved to CSA-UL 20668, very good resistance to oil and chemicals.	20 AWG 18 AWG

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DESCRIPTION
A
REV

QUALITY SYMBOLS
▼=0
Ⓒ▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)

	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---
ANGULAR ±---°		

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: -
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: JMARSZALEK DATE: 2013/06/11
CHECKED BY: DSTACHOWIAK DATE: 2014/05/07
APPROVED BY: MIWASIECZKO DATE: 2014/05/08
MATERIAL NO.: MATRIX DRAWING

TITLE: JUNIOR TIMER CONNECTORS EJT1XXXXXXXXX

molex

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