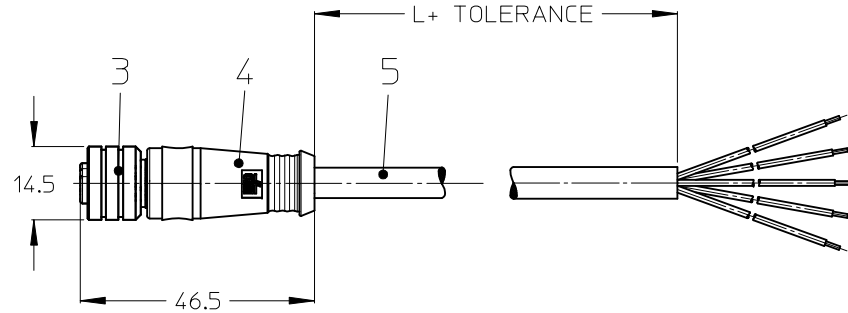
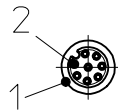


STRAIGHT PLUG FEMALE



NOTES:

TEMPERATURE RANGE	SEE TABLE ON PAGE 2
CONTACT CURRENT RATING	3-5 POLES 4A 8 POLES 2A
VOLTAGE RATING	3-4 POLES 250V 5 POLES 60V 8 POLES 30V
PROTECTION CLASS	IP 67

CABLE TOLERANCES

≤ 1m	+20/-10mm
1m - 5m	± 25mm
5m - 10m	± 30mm
> 10m	± 30mm
> 20m	± 50mm

3 WIRE	4 WIRE	5 WIRE	8 WIRE
PIN # WIRE	PIN # WIRE	PIN # WIRE	PIN # WIRE
1 BROWN	1 BROWN	1 BROWN	1 WHITE
2 -	2 WHITE	2 WHITE	2 BROWN
3 BLUE	3 BLUE	3 BLUE	3 GREEN
4 BLACK	4 BLACK	4 BLACK	4 YELLOW
5 -	5 -	5 GREY	5 GREY
			6 PINK
			7 BLUE
			8 RED
REQUIRED TO IEC 60947-5-2			REQUIRED TO DIN 47100

5	CABLE	SEE TABLE (PAGE 2)	---
4	OVERMOULDING	TPU	BLACK
3	MALE COUPLING NUT	BRASS	NI PLATED
2	PIN CONTACT	BRASS	GOLD PLATED
1	INSERT	PA	BLACK
ITEM	PART	MATERIAL	FINISH

ENTER DESCRIPTION EC NO: IPG2014-0812 DRAWN:PMERUNKA 2012/04/23 CHKD:APOHL 2013/11/15 APPR:APOHL 2013/11/18		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
		▼=0 ▽=0				DRAWN BY DATE		TITLE CSE M12 XP AC FE STR XM SE UNSH				
						CHECKED BY DATE						
						APPROVED BY DATE		molex				
						MATERIAL NO.						
						SEE TABLE		SHEET NO. 1 OF 5				
						SIZE A3						

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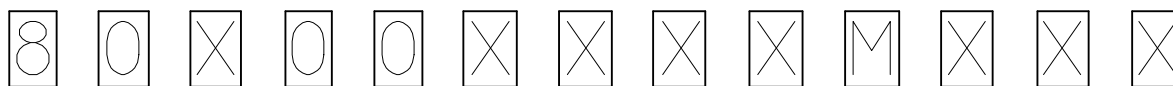
4

3

2

1

NUMERICAL CODE (Available parts see table page 3 ff others on request.)



80 = M12x1
single ended

poles:

3 = 3 poles
4 = 4 poles
5 = 5 poles
8 = 8 poles

header:

000 = plug female straight
001 = plug female 90° right
006 = plug male straight
007 = plug male 90° right

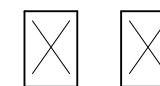
Cable:

E02 = 0,25mm², PVC black
E03 = 0,34mm², PVC black
H08 = 0,25mm², PUR black LS0H
H09 = 0,34mm², PUR black LS0H
I03 = 0,34mm², PVC grey
K05 = 0,34mm², TPE yellow
P02 = 0,25mm², PUR/PVC black
P03 = 0,34mm², PUR/PVC black
P82 = 0,34mm², PUR black irradiated
B30 = 0,34mm², TPE black

M = meter

length:
Example
020 = 2 m

Special Types:



G = Brad in black
H = Std with ID tag
1 = Stainless Steel
7 = Teflon coat

y = yellow overmoulding
empty for black

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	static	flexing	drag chain tested	other
E02	0.25mm²	PVC black	STYLE 2464	I/II A/B 80°/300V	-30°C to +80°C 5xD	-5°C to +80°C 9xD	---	---
E03	0.34mm²	PVC black	STYLE 2464	I/II A/B 80°/300V	-30°C to +80°C 5xD	-5°C to +80°C 9xD	---	---
H08	0.25mm²	PUR black LS0H	AWM STYLE 21198/10493	APPROVED	-50°C to +80°C 5xD	-25°C to +80°C 10xD	2000000 cycles	---
H09	0.34mm²	PUR black LS0H	AWM STYLE 21198/10493	APPROVED	-50°C to +80°C 5xD	-25°C to +80°C 10xD	drag chain 60°C	---
I03	0.34mm²	PVC grey	---	---	-30°C to +70°C	-5°C to +70°C	---	---
K05	0.34mm²	TPE yellow	ITC E195601 or PLTC	AWM I/II A/B FT4 LL54185	---	---	---	CSA-US: ITC LL54185-02
P02	0.25mm²	PUR/PVC black	not applicable	not applicable	-30°C to +80°C 7xD	-5°C to +80°C 15xD	---	---
P03	0.34mm²	PUR/PVC black	not applicable	not applicable	-30°C to +80°C 7xD	-5°C to +80°C 15xD	---	---
P82	0.34mm²	irrad. PUR orange	---	---	-50°C to +105°C 5xD	-40°C to +105°C 7,5xD	---	---
B30	0.34mm²	PUR black	STYLE 21215	Yes	-40°C to +90°C 5xD	-25°C to +80°C 7,5xD	---	---

ENTER DESCRIPTION	REV
EC NO: IPG2014-0812 DRWN:PMERUNKA 2012/04/23 CHKD:APOHL 2013/11/15 APPR:APOHL 2013/11/18	1

QUALITY SYMBOLS
▽=0
▽=0

GENERAL TOLERANCES (UNLESS SPECIFIED)		
	mm	INCH
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± 0.05	± ---
1 PLACE	± 0.10	± ---
0 PLACE	± ---	± ---
ANGULAR ± .5 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

DIMENSION STYLE	
MM ONLY	
DRAWN BY	DATE
PMERUNKA	2012/04/23
CHECKED BY	DATE
AP0HL	2013/11/15
APPROVED BY	DATE
AP0HL	2013/11/18
MATERIAL NO.	
SEE TABLE	
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION
A3	

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1

	10	9	8	7	6	5	4	3	2	1																																				
F											F																																			
E											E																																			
D											D																																			
C											C																																			
B											B																																			
A											A																																			
<table><tr><td rowspan="10">ENTER DESCRIPTION EC NO: PG2014-0812 1 DRWN:PMERUNKA CHKD:APOHL APPR:APOHL</td><td rowspan="10">DESCRIPTION REV</td><td rowspan="10">QUALITY SYMBOLS ▽=0 ◻=0</td><td colspan="2">GENERAL TOLERANCES (UNLESS SPECIFIED)</td><td colspan="2">DIMENSION STYLE MM ONLY</td><td>SCALE 1:1</td><td>DESIGN UNITS METRIC</td><td colspan="2">THIRD ANGLE PROJECTION</td></tr><tr><td rowspan="5">4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACE</td><td rowspan="5">± --- ± --- ± 0.05 ± 0.10 ± ---</td><td rowspan="5">± --- ± --- ± --- ± --- ± ---</td><td>DRAWN BY PMERUNKA</td><td>DATE 2012/04/23</td><td rowspan="5">TITLE CSE M12 XP AC FE STR XM SE UNSH</td><td rowspan="5">DOCUMENT NO. SD-120065-050</td><td rowspan="5">SHEET NO. 3 OF 5</td></tr><tr><td>CHECKED BY APOHL</td><td>DATE 2013/11/15</td></tr><tr><td>APPROVED BY APOHL</td><td>DATE 2013/11/18</td></tr><tr><td colspan="2">MATERIAL NO.</td></tr><tr><td colspan="2">SEE TABLE</td></tr><tr><td colspan="2">DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS</td><td>SIZE A3</td><td colspan="5">THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION</td></tr></table>												ENTER DESCRIPTION EC NO: PG2014-0812 1 DRWN:PMERUNKA CHKD:APOHL APPR:APOHL	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		4 PLACES 3 PLACES 2 PLACES 1 PLACE 0 PLACE	± --- ± --- ± 0.05 ± 0.10 ± ---	± --- ± --- ± --- ± --- ± ---	DRAWN BY PMERUNKA	DATE 2012/04/23	TITLE CSE M12 XP AC FE STR XM SE UNSH	DOCUMENT NO. SD-120065-050	SHEET NO. 3 OF 5	CHECKED BY APOHL	DATE 2013/11/15	APPROVED BY APOHL	DATE 2013/11/18	MATERIAL NO.		SEE TABLE		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				
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			fb_frame_A3_P_AM_T Rev E1 2012/01/25	9	8	7	6	5	4	3	2				1																															

ENTER DESCRIPTION		EC NO: IPG2014-0812		DRWN:PMERUNKA 2012/04/23		CHKD:APOHL 2013/11/15		APPR:APOHL 2013/11/18		QUALITY SYMBOLS		GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1		DESIGN UNITS METRIC		THIRD ANGLE PROJECTION	
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						3 PLACES		± ---		± ---		CHECKED BY DATE									
						2 PLACES		± 0.05		± ---		APOHL 2013/11/15									
						1 PLACE		± 0.10		± ---		APPROVED BY DATE		APOHL 2013/11/18							
						0 PLACE		± ---		± ---		APOHL 2013/11/18									

F

E

D

C

B

A

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E

D

C

B

A

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1200650956	808000P02M0801
1200650957	808000P02M100
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1200651817	808000P02M200
1200651818	808000P02M250
1200651820	808000P02M300
1200658103	808000P19M005
1200062765	808000P19M020
1200062675	808000P19M030
1200651796	808000P19M040
1200062676	808000P19M050
1200655074	808000P19M060
1200652019	808000P19M100
1200658104	808000P19M150
1200655040	80C000H45M020
1200655041	80C000H45M040
1200655042	80C000H45M050
1200655044	80C000H45M100
1200659119	803000I03M020Y
1200678393	8030P0I03M050Y
1200659054	803000E03M050Y
1200659055	803000E03M100Y
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1200659073	803000I03M100Y
1200659123	804000P03M100HY
1200678387	8040P0I03M050Y
1200659058	804000E03M050Y
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1200652252	804000B30M020
1200652253	804000B30M050
1200652254	804000B30M100
1200652255	805000B30M010
1200652256	805000B30M020
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1200652258	805000B30M100

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				mm	INCH	DRAWN BY PMERUNKA	DATE 2012/04/23	TITLE CSE M12 XP AC FE STR XM SE UNSH molex				
			4 PLACES	± ---	± ---	CHECKED BY APOHL	DATE 2013/11/15					
			3 PLACES	± ---	± ---	APPROVED BY APOHL	DATE 2013/11/18					
			2 PLACES	± 0.05	± ---	MATERIAL NO.					DOCUMENT NO. SD-120065-050	SHEET NO. 5 OF 5
			1 PLACE	± 0.10	± ---							
			0 PLACE	± ---	± ---	SEE TABLE		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
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			DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									