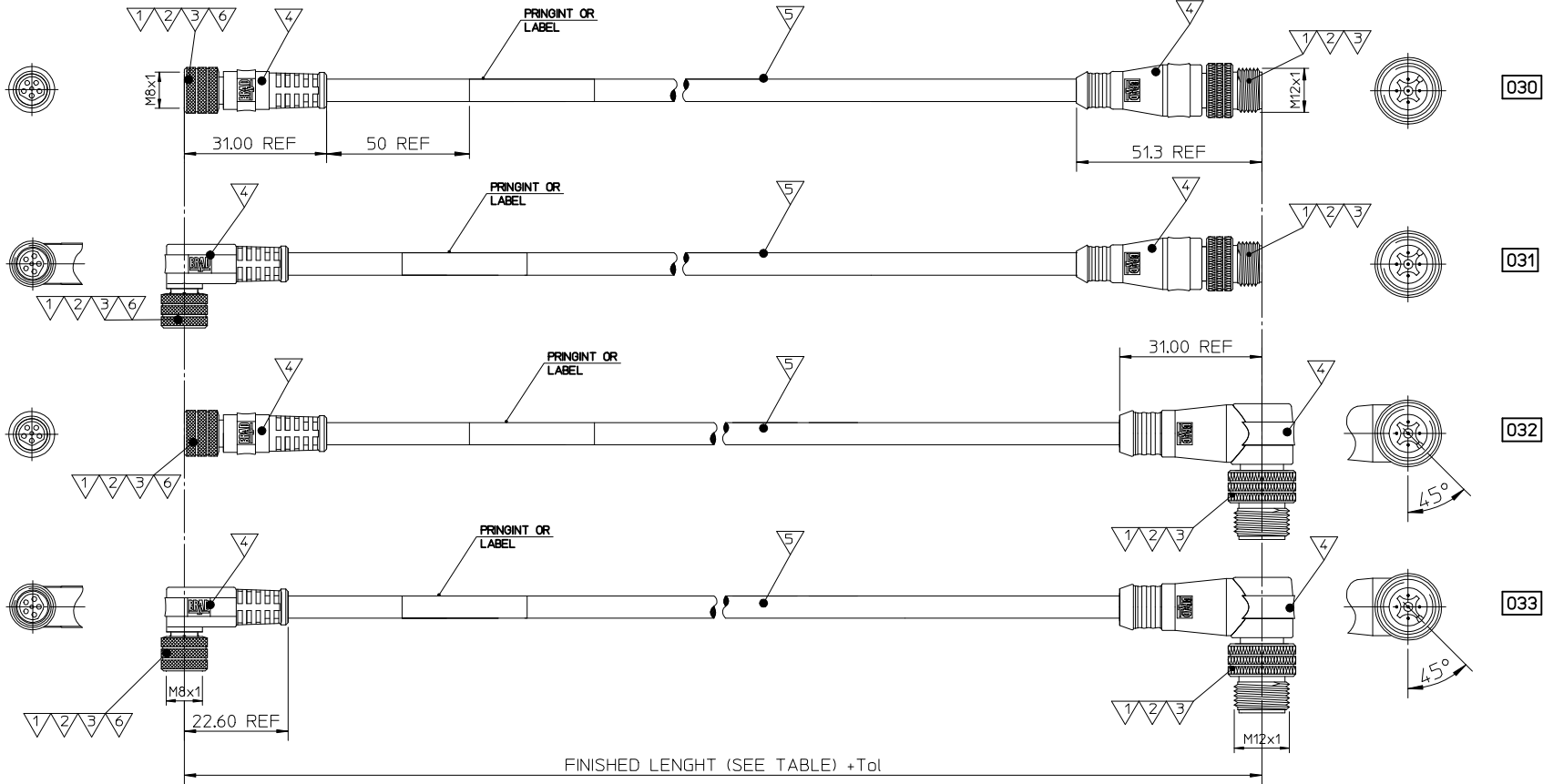


S1

FEMALE SIDES M8
FACE VIEWS

MALE SIDES M12
FACE VIEWS

S2



FINISHED LENGHT (SEE TABLE) +Tol

CONNECTOR SPECIFICATION:

VOLTAGE RATING	3-4POL:60V/AC-75V/DC 5P/60V
AMPERAGE RATING	max. 4 AMPS
PROTECTION	IP68
OPERATING TEMPERATURE	-25°C TO 80°C

6	O-RING	VITON	---
5	CABLE	SEE TABLE	---
4	OVERMOULDING	TPU UF NATURAL C98A10	---
4	OVERMOULDING	MASTERBATCH COLORANT	---
3	COUPLING NUT	SEE SPECIAL TYPES	---
2	PIN CONTACT	COPPER ALLOY	GOLD OR NICKEL PLATED
1	INSERT	PUR	BLACK
ITEM	PART	MATERIAL	FINISH

ORIGINAL RELEASE
EC NO: IPG2013-1417
DRW:MDYSZEWKA 2013/03/11
CHKD:JMARSZALEK 2013/03/11
APPR:MIWASIECZKO 2013/03/12

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

DRAWN BY	DATE
HWALCZAK	2012/11/24
CHECKED BY	DATE
JMARSZALEK	2013/01/14
APPROVED BY	DATE
MIWASIECZKO	2013/01/15

MATERIAL NO.
SEE CHART

SCALE
DESIGN UNITS
METRIC

FIRST ANGLE PROJECTION

TITLE
CSE M8 M12 XP XC FE MA
XM DE

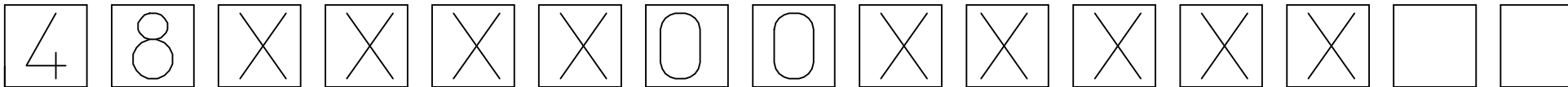
molex

DOCUMENT NO.
SD-120087-045

SHEET NO.
1 OF 3

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

SPECIAL TYPES



Thread M8x1 Thread M12x1

POLES
 3- INSERT 3 POLES
 4- INSERT 4 POLES
 5- INSERT 5 POLES

HEAD TYPE
 030 Plugs female M8 and male M12 straight
 031 Plugs female M8 90° and male M12 straight
 032 Plugs female M8 straight and male M12 90°
 033 Plugs female M8 and male M12 90°

CABLE TYPES
 E02 = 0,25mm², PVC black
 E18 = 0,2mm², PVC yellow braid DC
 H08 = 0,25mm², PUR black LSOH
 H69 = 0,2mm², PUR grey LSOH SCR
 I02 = 0,25mm², PVC grey CEI
 P02 = 0,25mm², PUR/PVC black
 P08 = 0,25mm², PUR yellow HIFLEX
 P82 = 0,34mm², PUR orange irradiated DC
 S20 = 0,34mm², PVC yellow SJTO braid
 S26 = 0,34mm², PVC yellow SJTO braid AC

LENGTH UNIT
 C-cm
 M-m
 K-km
 F-feet

LENGTH
 Example:
 020 - 2M
 060 - 6M
 100 - 10M

COUPLING NUT
 blank and 3-standard (BRASS)
 1 - STAINLESS STEEL
 5 - DELRIN
 7 - TEFLON COAT

PLUG MATERIAL
 blank-standard (BLACK)
 A-GREY
 Y-YELLOW
 H-standard with ID carrier

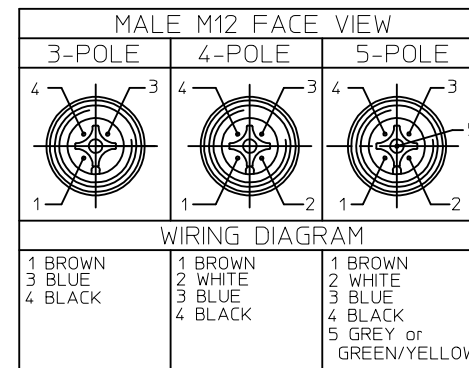
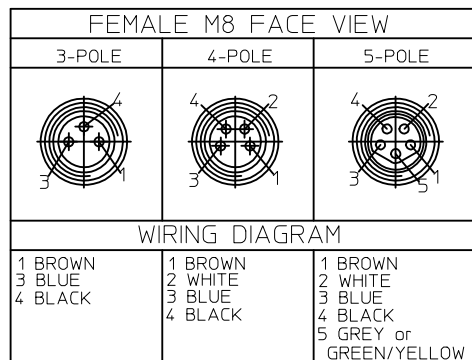






Table of length tolerances mm

OVER	UP TO	TOLERANCE +
0	305	+19
305	915	+45
915	1830	+56
1830	3660	+89
3660	7320	+165
7320	14640	+317
14640	30500	+610
30500	-	+2% OF LENGTH

ORIGINAL RELEASE EC NO: IPG2013-1417 DRWN:MDYSZEWSKA 2013/03/11 CHKD:JMARSZALEK 2013/03/11 APPR:MIWASIECZKO 2013/03/12	DESCRIPTION A1	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE MM ONLY	SCALE	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION
		4 PLACES	mm	INCH	DRAWN BY HWALCZAK	DATE 2012/11/24	TITLE CSE M8 M12 XP XC FE MA XM DE
		3 PLACES	± ---	± ---	CHECKED BY JMARSZALEK	DATE 2013/01/14	
		2 PLACES	± ---	± ---	APPROVED BY MIWASIECZKO	DATE 2013/01/15	
		1 PLACE	± ---	± ---	MATERIAL NO.	DOCUMENT NO.	SHEET NO.
0 PLACE	± ---	± ---	ANGULAR ± --- °	SEE CHART	SD-120087-045	2 OF 3	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

	10	9	8	7	6	5	4	3	2	1
F	1200878404	483030E02M003	1200878419	483030P02M070	1200878440	483032E02M010	1200878465	484030E02M030H		
	1200878405	483030E02M005	1200878420	483030P02M100	1200280333	483032E02M020	1200878466	484030E02M035		
	1200878038	483030E02M006	1200878121	483030P82M003	1200878441	483032E02M050	1200878467	484030E02M040		
	1200878406	483030E02M010	1200280411	483030P82M0037	1200878442	483032E02M100	1200878468	484030E02M050		
	1200878407	483030E02M010H	1200878045	483030P82M0067	1200878443	483032E02M150	1200878469	484030E02M100		
	1200878039	483030E02M020	1200280869	483030P82M0107	1200878202	483032H69M010	1200878565	484030H08M006		
	1200878408	483030E02M030	1200280532	483030P82M030	1200878204	483032H69M040	1200878516	484030H08M010		
	1200878409	483030E02M050	1200878421	483031E02M006	1200878205	483032H69M050	1200878566	484030H08M020		
	1200878410	483030E02M100	1200878422	483031E02M010	1200878207	483032H69M100	1200878525	484030H08M030		
E	1200875004	483030E18M010H	1200878423	483031E02M010H	1200878054	483032I02M006	1200878567	484030H08M050		
	1200868220	483030H08M003	1200878167	483031E02M020	1200878444	483032I02M010	1200878519	484030I02M006		
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	1200878510	483030H08M010	1200878425	483031E02M050	1200878446	483032P02M006	1200878470	484030I02M030		
	1200878544	483030H08M010Y	1200878426	483031E02M050G	1200878447	483032P02M010	1200878523	484030I02M050		
	1200878255	483030H08M020	1200878560	483031H08M006	1200878448	483032P02M020	1200878471	484030P02M006		
	1200878524	483030H08M030	1200878513	483031H08M010	1200878449	483032P02M030	1200878472	484030P02M010		
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D	1200878411	483030I02M003	1200878515	483031H08M100	1200878062	483032P82M0067	1200878475	484030P02M050	1200878484	484031I02M030
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C	1200878532	483030I02M050Y	1200878433	483031P02M006	1200878459	484030E02M003	1200878480	484031E02M020	1200878489	484032E02M003
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ADDED NEW P/N EC NO: IPG2013-1417 DRW:MD/SZEWSKA 2013/03/11 CHKD:JMARSZALEK 2013/03/11 APPR:MIWASIECZKO 2013/03/12	QUALITY SYMBOLS  = 0.05  = 0.1	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE	DESIGN UNITS METRIC	 FIRST ANGLE PROJECTION			
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± --- ± --- 1 PLACE ± --- ± --- 0 PLACE ± --- ± ---	mm INCH ± --- ± --- ± --- ± --- ± --- ± --- ± --- ± ---	DRAWN BY HWALCZAK	DATE 2012/11/24	TITLE CSE M8 M12 XP XC FE MA XM DE					
		CHECKED BY JMARSZALEK		DATE 2013/01/14		APPROVED BY MIWASIECZKO					
		ANGULAR ± --- °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		MATERIAL NO. SEE CHART		DOCUMENT NO. SD-120087-045		SHEET NO. 3 OF 3	