

**PART No MATRIX**

4 8 \* 0 3 1 B \* \* M \* \* \* \* \*

48 = M8x1 M12x1

Poles:  
3 = 3 POLES  
4 = 4 POLES  
5 = 5 POLES

Header:  
031 = FEMALE 90 - MALE STRAIGHT

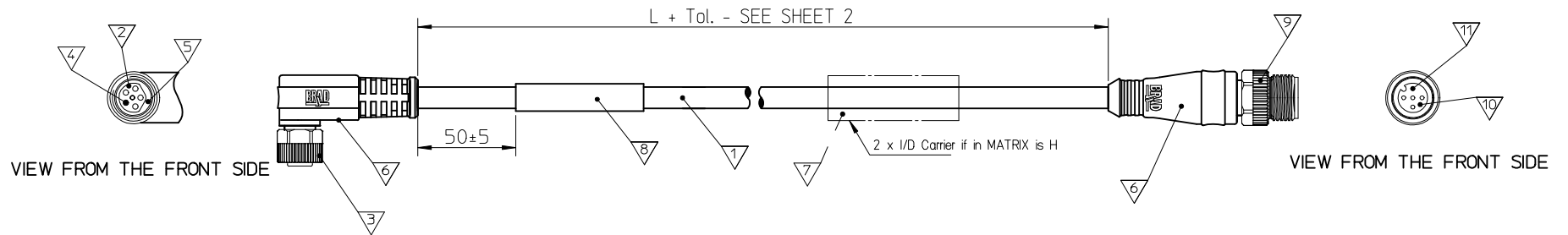
Cable:  
B41 = 0.25mm<sup>2</sup>, TPU BLACK  
B49 = 0.25mm<sup>2</sup>, TPU ORANGE

Unit:  
M = meter

Length:  
Example:  
010 = 1 m  
050 = 5 m  
100 = 10 m

**OPTIONS**

H = 2 pcs. of I/D Carrier  
Overmould:  
Blank = Black  
A = Grey  
G = Black  
Y = Yellow



**Bill of Materials**

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
11	-	CONTACT MALE	SEE MATRIX	SEE MATRIX
10	1	INSERT M12 MALE	SEE MATRIX	SEE MATRIX
9	1	COUPLING NUT MALE M12	BRASS	NI PLATED
8	1	LABEL	-	YELLOW
7	-	ID CARRIER	SEE MATRIX	SEE MATRIX
6	-	MOLDING MATERIAL	SEE MATRIX	SEE MATRIX
5	1	O-RING	FPM	RED
4	-	CONTACT FEMALE	SEE MATRIX	SEE MATRIX
3	1	COUPLING NUT FEMALE M8	BRASS	NI PLATED
2	1	INSERT M8 FEMALE	SEE MATRIX	SEE MATRIX
1	-	CABLE	SEE MATRIX	SEE MATRIX

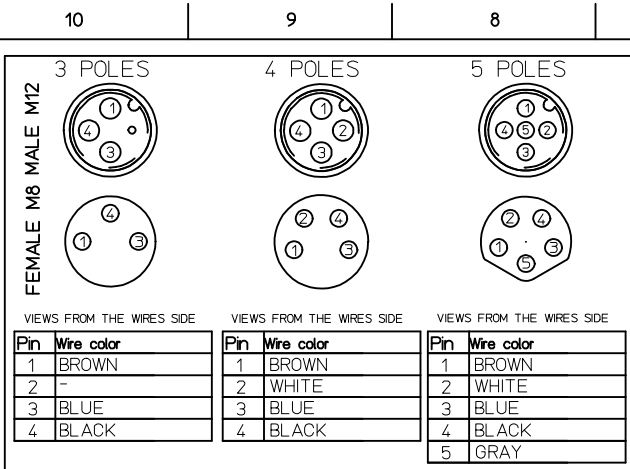
ADDED TABLE WITH PN  
SEE SHEET 2  
EC NO: IPG2016-0473  
DRWN:AKONDRACIUK 2015/10/20  
CHKD:MMAJGAT 2015/10/20  
APPR:MIWASIECZKO 2015/11/03

QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)
▽=0	mm      INCH
▽=0	4 PLACES ± --- ± ---
	3 PLACES ± --- ± ---
	2 PLACES ± --- ± ---
	1 PLACE ± --- ± ---
	0 PLACE ± --- ± ---
	ANGULAR ± 1 °
	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY		---	METRIC	⊙
DRAWN BY	DATE	TITLE		
AKONDRACIUK	2015/09/18	CSE M8 M12 XP AC FE MA		
CHECKED BY	DATE	TPU XM DE		
MMAJGAT	2015/10/07			
APPROVED BY	DATE			
MIWASIECZKO	2015/10/09			
MATERIAL NO.		DOCUMENT NO.		
SEE TABLE 1		SD-120087-057		
SIZE	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION			
A3				

DIMENSION STYLE		SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY		---	METRIC	⊙
DRAWN BY	DATE	TITLE		
AKONDRACIUK	2015/09/18	CSE M8 M12 XP AC FE MA		
CHECKED BY	DATE	TPU XM DE		
MMAJGAT	2015/10/07			
APPROVED BY	DATE			
MIWASIECZKO	2015/10/09			
MATERIAL NO.		DOCUMENT NO.		
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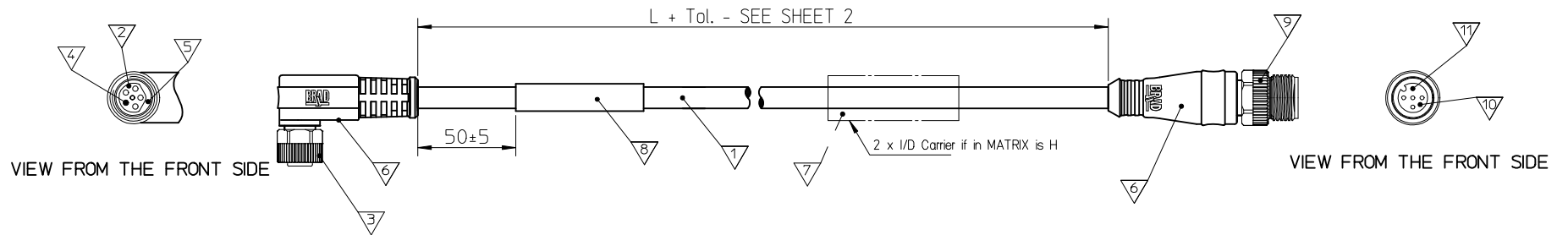
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3	1	COUPLING NUT FEMALE M8	BRASS	NI PLATED
2	1	INSERT M8 FEMALE	SEE MATRIX	SEE MATRIX
1	-	CABLE	SEE MATRIX	SEE MATRIX

ADDED TABLE WITH PN  
SEE SHEET 2  
EC NO: IPG2016-0473  
DRWN: AKONDRACIUK 2015/10/20  
CHKD: MMAJGAT 2015/10/20  
APPR: MIWASIECZKO 2015/11/03

REV	DESCRIPTION
A1	

	QUALITY SYMBOLS	
4 PLACES	± ---	± ---
3 PLACES	± ---	± ---
2 PLACES	± ---	± ---
1 PLACE	± ---	± ---
0 PLACE	± ---	± ---
ANGULAR ± 1 °		
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

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

DIMENSION STYLE	SCALE	DESIGN UNITS	THIRD ANGLE PROJECTION
MM ONLY	---	METRIC	
DRAWN BY	DATE	TITLE	
AKONDRACIUK	2015/09/18	CSE M8 M12 XP AC FE MA TPU XM DE	
CHECKED BY	DATE	<b>molex</b>	
MMAJGAT	2015/10/07		
APPROVED BY	DATE	DOCUMENT NO.	
MIWASIECZKO	2015/10/09	SD-120087-057	
MATERIAL NO.	SEE TABLE 1	SHEET NO.	
		1 OF 2	

TABLE 1

MOLEX PN	ENGINEERING No	L [mm]
1200878787	484031B41M006	600
1200878788	484031B41M010	1000
1200878789	484031B41M020	2000
1200878790	484031B41M030	3000
1200878791	484031B41M050	5000
1200878792	484031B41M100	10000
1200878799	483031B41M006	600
1200878800	483031B41M010	1000
1200878801	483031B41M020	2000
1200878802	483031B41M030	3000
1200878803	483031B41M050	5000
1200878804	483031B41M100	10000




Table of length tolerances		
Over	Up to and including	Tolerance (+)
0	1000	+40 0
1000	5000	+60 0
5000	10000	+80 0
10000	20000	+140 0
20000	30000	+160 0
30000	>	+1 % of length

ADDED TABLE WITH PN SEE SHEET 2 EC NO: IPG2016-0473 DRWN: AKONDRACIUK 2015/10/20 CHKD: MMAJGAT 2015/10/20 APPR: MIWASIECZKO 2015/11/03	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE ---	DESIGN UNITS METRIC	THIRD ANGLE PROJECTION		
	 		mm	INCH	DRAWN BY	DATE	TITLE			
		4 PLACES	± ---	± ---	AKONDRACIUK	2015/10/20	CSE M8 M12 XP AC FE MA			
		3 PLACES	± ---	± ---	CHECKED BY	DATE	TPU XM DE			
		2 PLACES	± ---	± ---	MMAJGAT	2015/10/20				
1 PLACE		± ---	± ---	APPROVED BY	DATE					
0 PLACE	± ---	± ---	MIWASIECZKO	2015/11/03	MATERIAL NO.	DOCUMENT NO.	SHEET NO.			
	ANGULAR ± 1 °	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE 1		SD-120087-057		2 OF 2		
A1	REV			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				

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1200878787	484031B41M006	600
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1200878790	484031B41M030	3000
1200878791	484031B41M050	5000
1200878792	484031B41M100	10000
1200878799	483031B41M006	600
1200878800	483031B41M010	1000
1200878801	483031B41M020	2000
1200878802	483031B41M030	3000
1200878803	483031B41M050	5000
1200878804	483031B41M100	10000

Table of length tolerances		
Over	Up to and including	Tolerance (+)
0	1000	+40 0
1000	5000	+60 0
5000	10000	+80 0
10000	20000	+140 0
20000	30000	+160 0
30000	>	+1 % of length

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	 =0  =0	4 PLACES	mm	INCH	DRAWN BY	DATE	TITLE CSE M8 M12 XP AC FE MA TPU XM DE			
		3 PLACES	± ---	± ---	AKONDRACIUK	2015/10/20				
		2 PLACES	± ---	± ---	CHECKED BY	DATE				
1 PLACE		± ---	± ---	MMAJGAT	2015/10/20					
0 PLACE	± ---	± ---	APPROVED BY	DATE	MATERIAL NO.		DOCUMENT NO.		SHEET NO.	
ANGULAR ± 1 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		SEE TABLE 1		SD-120087-057		2 OF 2		
				SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				