

PN KEY ENGINEERING PN

E

4

7

2

X

X

X

X

X

X

X

X

X

X

X

E - Packing without bag
W - Single Packing

Number of wires:
2 - 2 Wires + Earth

Cable type:
See Table

Head Colour:
G - Grey
N - Black
A - CSA-UL Black
B - CSA-UL Grey

Cable Length in[cm]
050 = 50cm
300 = 300cm
10K = 1000cm

Earth PIN location (see insert orientation table):
2 = Earth on H12
6 = Earth on H6

Wiring Configuration:
See sheet 3

Voltage and Led Colour

Red Led:	Green Led:	Yellow Led:
1 = 12V	A = 12V	G = 12V
2 = 24V	B = 24V	H = 24V
3 = 48V	C = 48V	K = 48V
4 = 115V	D = 115V	L = 115V
5 = 230V	E = 230V	M = 230V

Type of Gasket and Screw (see sheet 1):
1 = NBR Profile Gasket + Fixing Screw M3x25mm
2 = NBR Flat Gasket + Fixing Screw M3x25mm
3 = Silicone Profile Gasket + Fixing Screw M3x25mm
4 = Silicone Flat Gasket + Fixing Screw M3x25mm
P = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm Assembled on Connector
R = NBR Integrated Gasket + Fixing Screw with Washer M3x27mm NOT Assembled on Connector
T = NBR Profile Gasket + Fixing Screw with Washer M3x27mm

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE O.D.	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	SHIELD
A2	3	AWG 20	5.6mm±0.2	PVC BLACK	UL 2661	CSA C22.2	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
A3	3	AWG 18	6.5mm±0.25	PVC BLACK	UL 2661	CSA C22.2	-30°C to +105°C, 10xO.D.	-5°C to +105°C, 15xO.D.	-
B2	3	AWG 20	5.6mm±0.2	PUR BLACK	UL 20668	CSA C22.2	-40°C to +90°C, 5xO.D.	-25°C to +90°C, 10xO.D.	-
B3	3	AWG 18	6.5mm±0.2	PUR BLACK	UL 20668	CSA C22.2	-40°C to +90°C, 5xO.D.	-25°C to +90°C, 10xO.D.	-
F4	3	1mm²	7.1mm+0.2	PVC GREY	-	-	-15°C to +70°C, 10xO.D.	-5°C to +60°C, 15xO.D.	-
I0	3	1mm²	7.6mm±0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	YES
I2	3	0.5mm²	5.5mm+0.3	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
I3	3	0.75mm²	6.0mm±0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
I4	3	1mm²	7.1mm+0.2	PVC GREY	-	-	-25°C to +70°C, 10xO.D.	-5°C to +70°C, 15xO.D.	-
N2	3	0.5mm²	5.6mm±0.7	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
N3	3	0.75mm²	6.8mm±0.8	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
N4	3	1mm²	7.15mm±0.85	PVC BLACK	-	-	-20°C to +70°C, 3xO.D.	-15°C to +70°C, 5xO.D.	-
P1	3	0.34mm²	5.3mm±0.2	PUR BLACK	-	-	-25°C to +80°C, 10xO.D.	-5°C to +80°C, 15xO.D.	
P2	3	0.5mm²	5.5mm+0.3	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-
P3	3	0.75mm²	6.5mm±0.2	PUR BLACK	-	-	-40°C to +90°C, 7.5xO.D.	-15°C to +90°C, 12.5xO.D.	-

Notes:

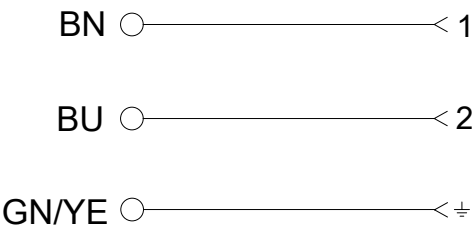
1. Please see excel sheet 1210503400_PDP for currently configured part numbers.
2. Drawing is a replacement for: SD-121050-005

DOCUMENT STATUS	P1	RELEASE DATE	2018/08/31	12:24:54
-----------------	----	--------------	------------	----------

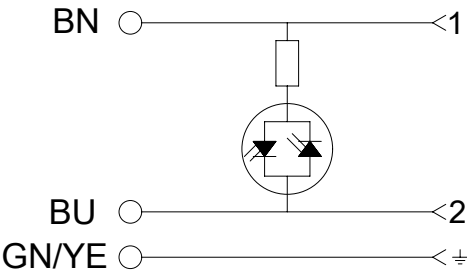
SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
⌀ = 0 ⌀ = 0 ⌀ = 0 ⌀ = 0 ⬮ = 0 ⌒ = 0 ⊠ = 0 ■ = 0 ▽ = 0 mm 1:1 GENERAL TOLERANCES (UNLESS SPECIFIED) ANGULAR TOL ± ° 4 PLACES ± 3 PLACES ± 2 PLACES ± 0.05 1 PLACE ± 0.1 0 PLACES ± DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	CURRENT REV DESC:		molex STANDARD E472 DIN FORM B EN 175301-803 PRODUCT CUSTOMER DRAWING						DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	EC NO: 603741								1210503400		PSD	000	A
	DRWN: APAWLAK01 2018/07/18								1210503400				
	CHK'D: RSILLER 2018/08/31		1210503400		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER				
	APPR: RSILLER 2018/08/31		1210503400		SEE 1210503400_PDP		GENERAL MARKET		2 OF 3				
	INITIAL REVISION:		1210503400										
	DRWN: APAWLAK01 2018/07/18		1210503400										
	APPR: RSILLER 2018/08/31		1210503400										
	THIRD ANGLE PROJECTION		DRAWING		SERIES								
	⌀ ⌒		A3-SIZE		121050								

WIRING DIAGRAMS

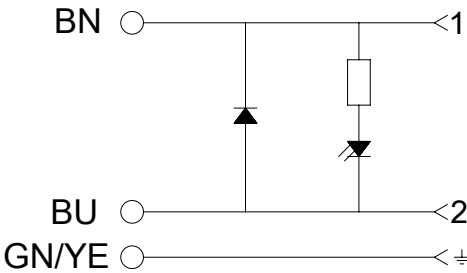
ELECTRICAL DIAGRAM 00



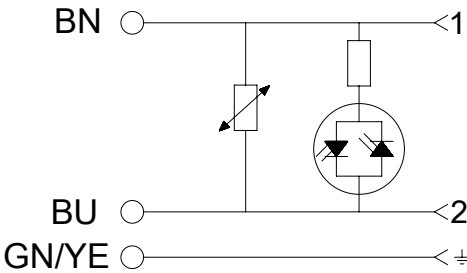
ELECTRICAL DIAGRAM A1



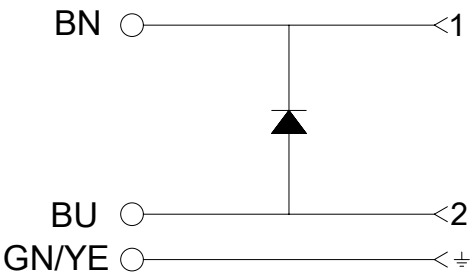
ELECTRICAL DIAGRAM C3



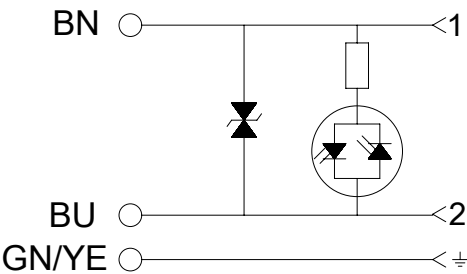
ELECTRICAL DIAGRAM C4



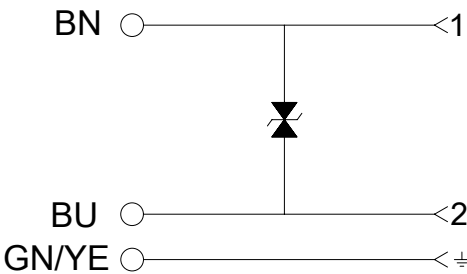
ELECTRICAL DIAGRAM E0



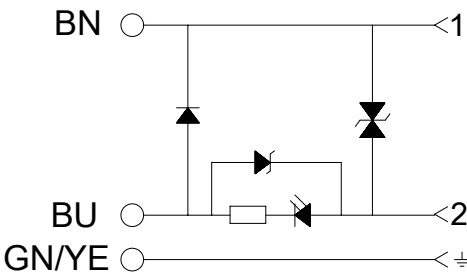
ELECTRICAL DIAGRAM S0



ELECTRICAL DIAGRAM S1

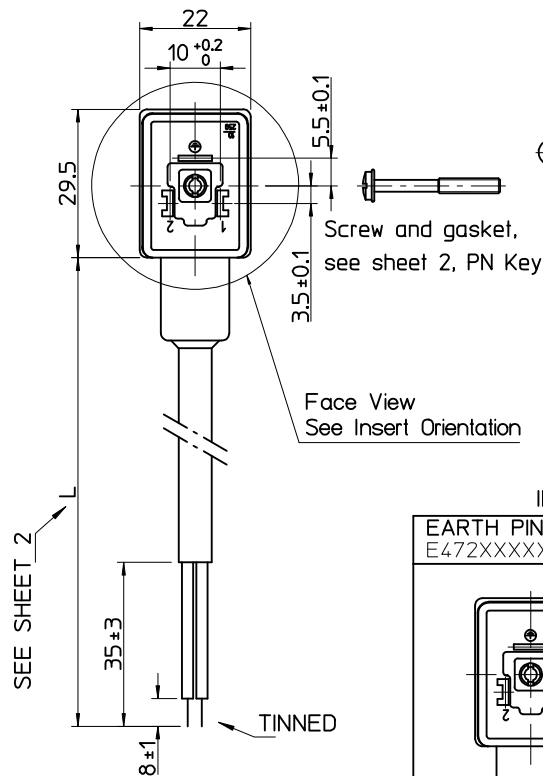


ELECTRICAL DIAGRAM NS

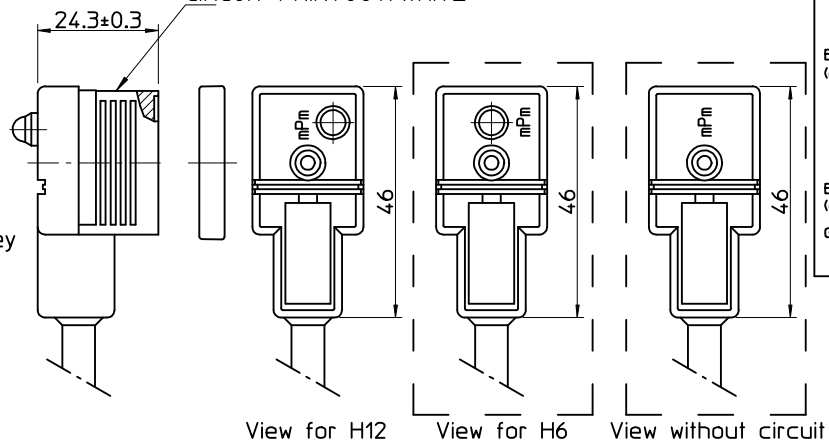


Technical Spec:
Supply Voltage: See PN KEY
Max. current: 5A; A1-C4-S0
1,5A; R2
Contact Resistance: ≤15milliohms max.
Operating Temperature:
with NBR Gasket: -40°C +90°C
with Silicone: -40°C +125°C

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	
	DIMENSION UNITS	SCALE
 = 0	mm	1:1
 = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
 = 0		
 = 0	ANGULAR TOL	± °
 = 0	4 PLACES	±
 = 0	3 PLACES	±
 = 0	2 PLACES	± 0.05
 = 0	1 PLACE	± 0.1
 = 0	0 PLACES	±
= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	
= 0	THIRD ANGLE PROJECTION	
CURRENT REV DESC:		EC NO: 603741 DRWN: APAWLAK01 2018/07/18 CHK'D: RSILLER 2018/08/31 APPR: RSILLER 2018/08/31
INITIAL REVISION:		DRWN: APAWLAK01 2018/07/18 APPR: RSILLER 2018/08/31
DOCUMENT NUMBER		1210503400
MATERIAL NUMBER		SEE 1210503400_PDP
CUSTOMER		GENERAL MARKET
SHEET NUMBER		3 OF 3



CIRCUIT PRINTOUT/WHITE



INSERT ORIENTATION

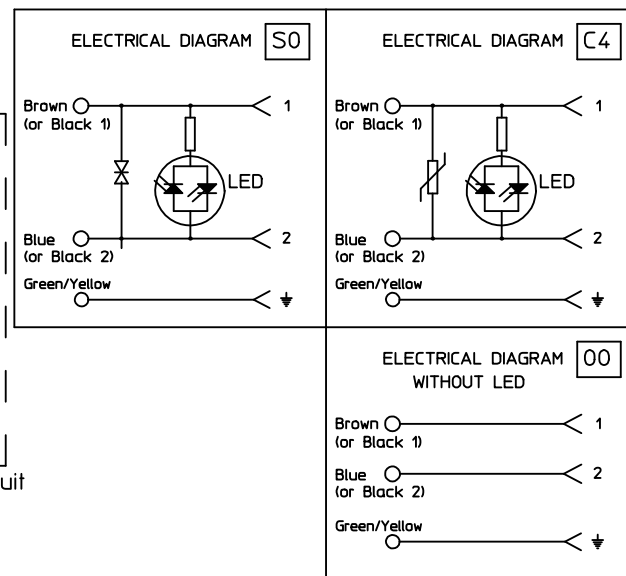
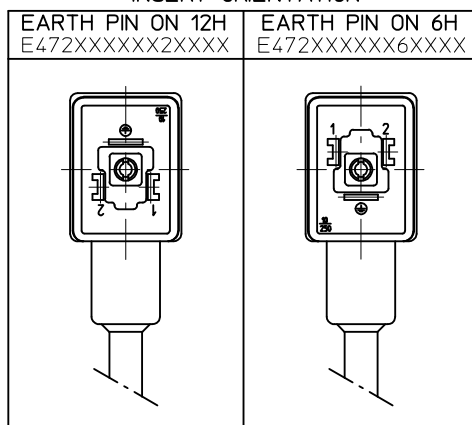
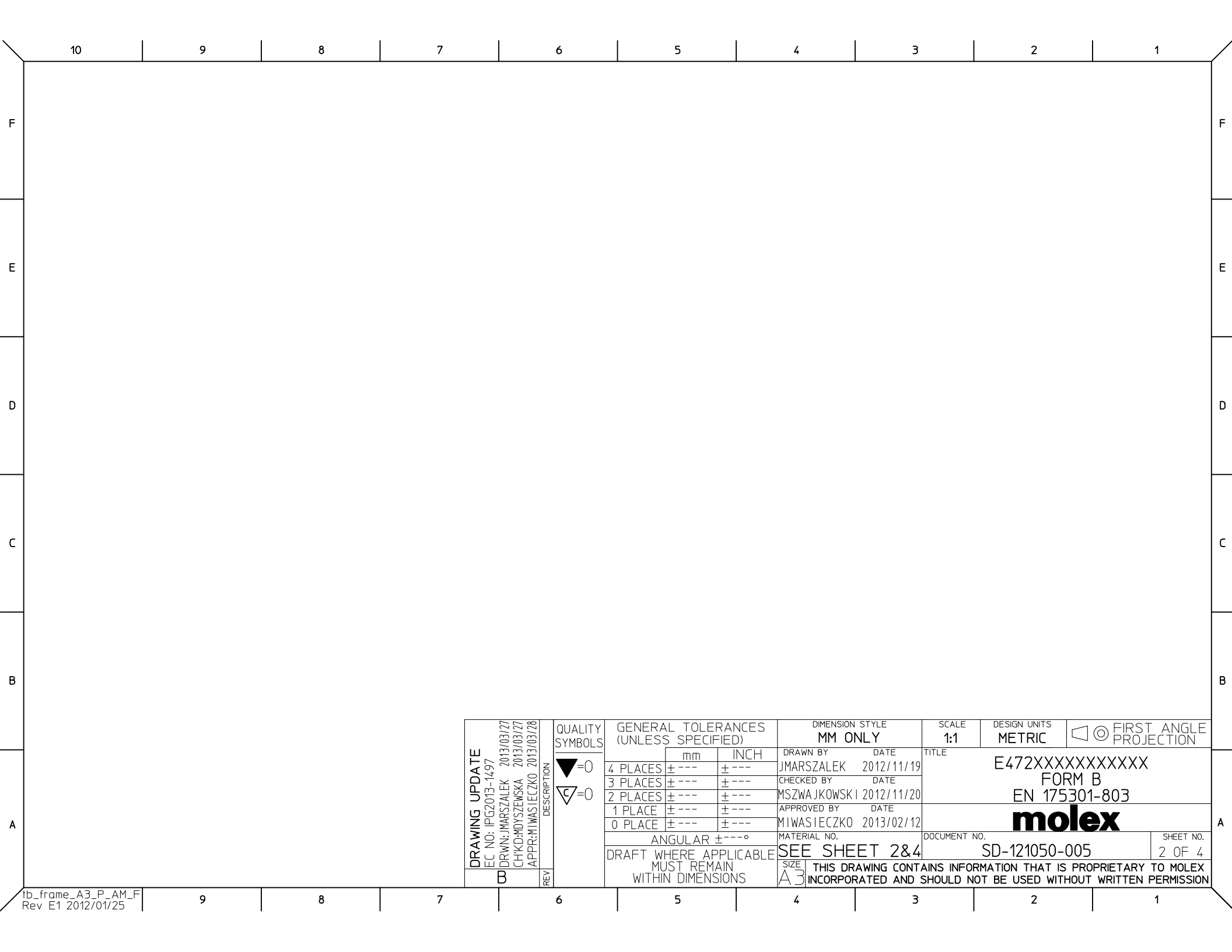


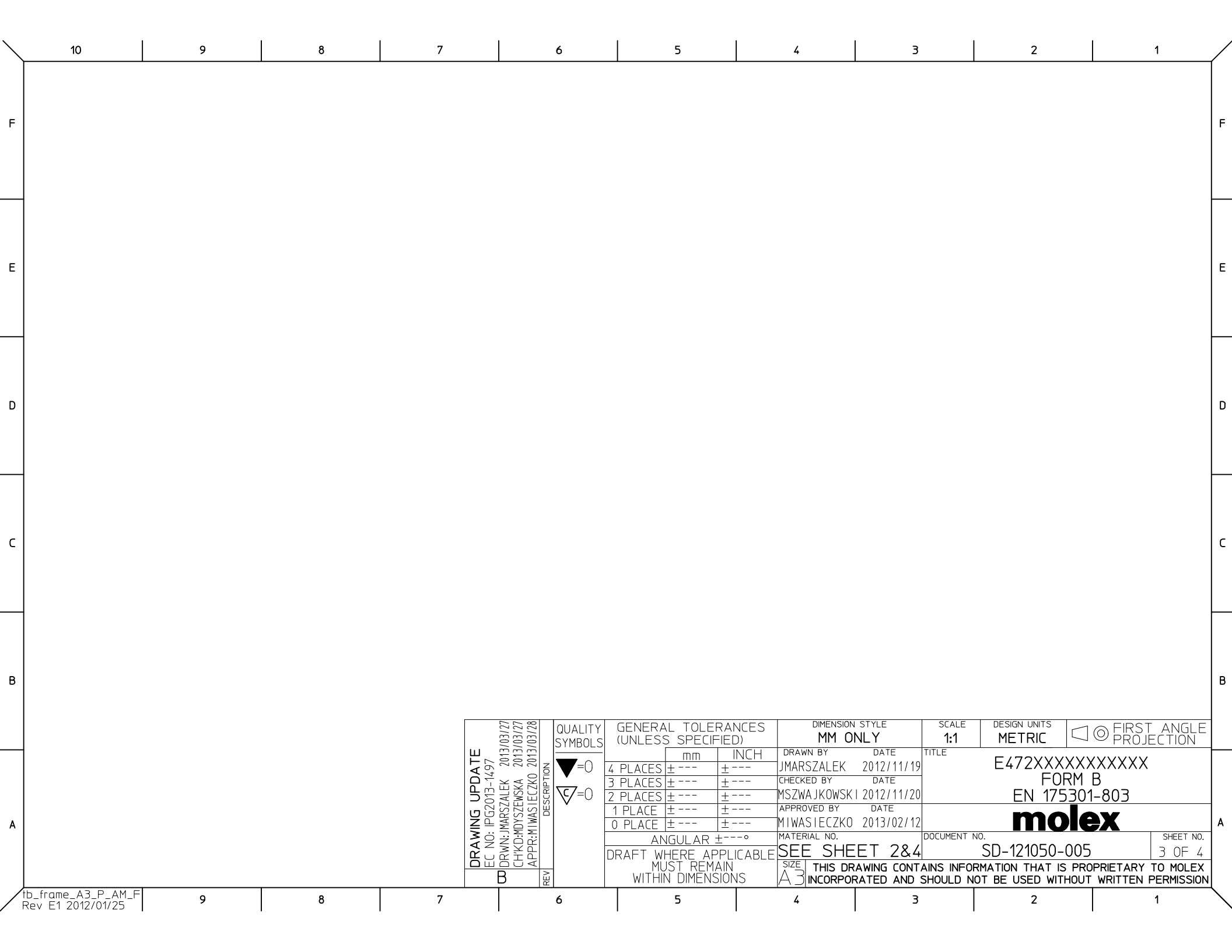
Table of length tolerances [mm]

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

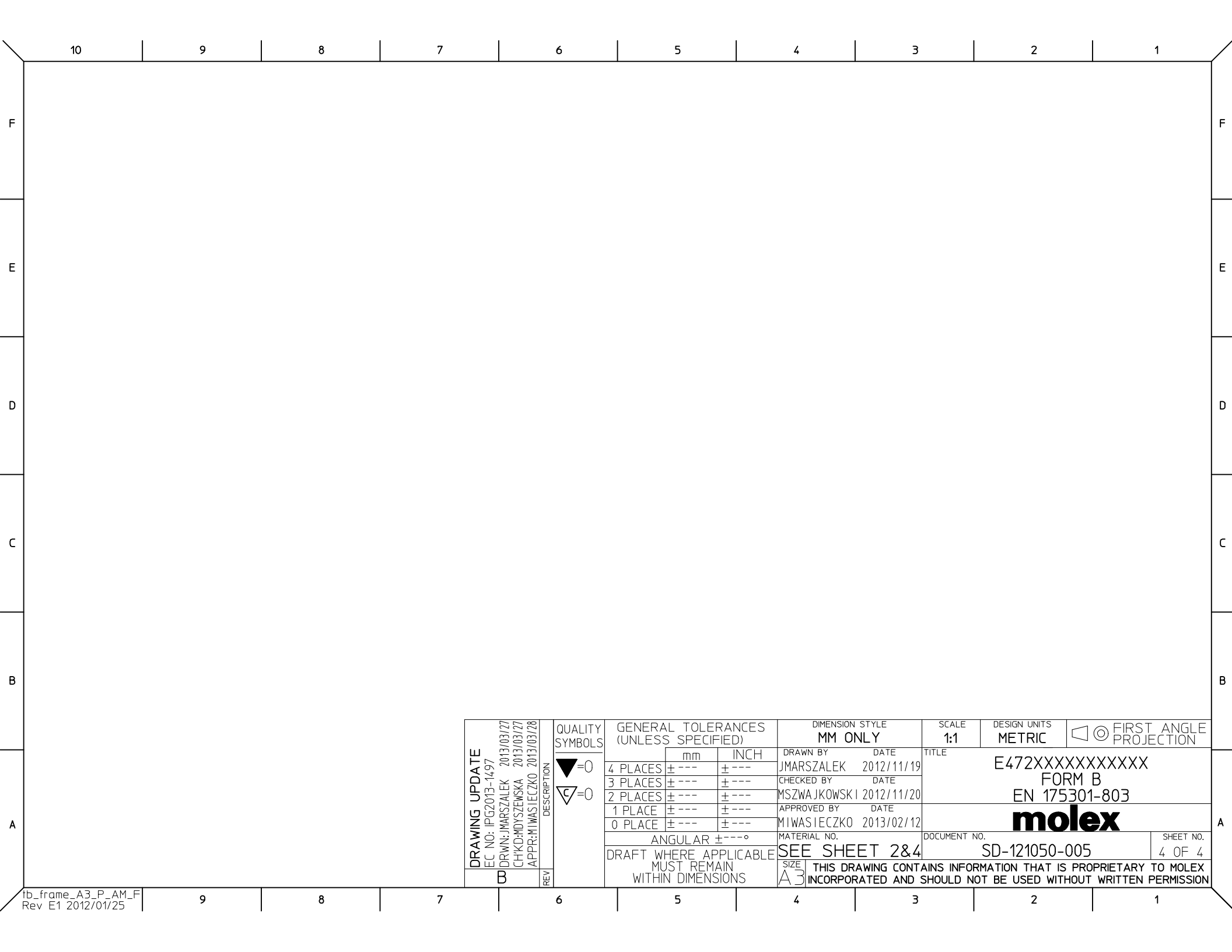
DRAWING UPDATE EC NO: IPG2013-1497 DRWN: JMARSZALEK 2013/03/27 CHKD: MYSZEWSKA 2013/03/27 APPR: MIWASIECZKO 2013/03/28	QUALITY SYMBOLS ▽=0 ▽=0	DESCRIPTION	GENERAL TOLERANCES (UNLESS SPECIFIED)	DIMENSION STYLE		SCALE	DESIGN UNITS	 FIRST ANGLE PROJECTION	
				MM ONLY			METRIC		
				DRAWN BY DATE		TITLE E472XXXXXXXXXXXX FORM B EN 175301-803 molex			
				JMARSZALEK 2012/11/19					
				CHECKED BY DATE					
				MSZWAJKOWSKI 2012/11/20					
				APPROVED BY DATE					
				MIWASIECZKO 2013/02/12		DOCUMENT NO. SD-121050-005			SHEET NO. 1 OF 4
				MATERIAL NO.					
				SEE SHEET 2&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							



DRAWING UPDATE EC NO: IPG2013-1497 DRWN: JMARSZALEK 2013/03/27 CHKD: MDYSZEWSKA 2013/03/27 APPR: MIWASIECZKO 2013/03/28	DESCRIPTION REV	QUALITY SYMBOLS ▽=0 ▽C=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	 FIRST ANGLE PROJECTION		
				mm	INCH	DRAWN BY JMARSZALEK	DATE 2012/11/19	TITLE E472XXXXXXXXXXXX FORM B EN 175301-803 molex			
			4 PLACES	± ---	± ---	CHECKED BY	DATE				
			3 PLACES	± ---	± ---	MSZWAJKOWSKI	2012/11/20				
			2 PLACES	± ---	± ---	APPROVED BY	DATE				
			1 PLACE	± ---	± ---	MIWASIECZKO	2013/02/12				
			0 PLACE	± ---	± ---	MATERIAL NO.		DOCUMENT NO.		SD-121050-005	SHEET NO. 2 OF 4
			ANGULAR ± ---°		SEE SHEET 2&4						
			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					



DRAWING UPDATE EC NO: IPG2013-1497 DRWN: JMARSZALEK 2013/03/27 CHKD: MDYSZEWSKA 2013/03/27 APPR: MIWASIECZKO 2013/03/28	DESCRIPTION REV	QUALITY SYMBOLS =0 =0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	FIRST ANGLE PROJECTION	
							TITLE			
			4 PLACES	± ---	± ---	DRAWN BY	DATE	E472XXXXXXXXXXXX FORM B EN 175301-803 molex		
			3 PLACES	± ---	± ---	CHECKED BY	DATE			
			2 PLACES	± ---	± ---	APPROVED BY	DATE			
1 PLACE	± ---	± ---	MATERIAL NO.							
0 PLACE	± ---	± ---	ANGULAR ± ---°		DOCUMENT NO.		SHEET NO.			
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS			SEE SHEET 2&4		SD-121050-005		3 OF 4			
			SIZE A3		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION					



DRAWING UPDATE EC NO: IPG2013-1497 DRWN: JMARSZALEK 2013/03/27 CHKD: MDYSZEWSKA 2013/03/27 APPR: MIWASIECZKO 2013/03/28	REV	DESCRIPTION	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE MM ONLY		SCALE 1:1	DESIGN UNITS METRIC	◻ FIRST ANGLE PROJECTION	TITLE E472XXXXXXXXXXXX FORM B EN 175301-803 molex	DOCUMENT NO. SD-121050-005	SHEET NO. 4 OF 4	
						DRAWN BY JMARSZALEK	DATE 2012/11/19	CHECKED BY MSZWAJKOWSKI						DATE 2012/11/20
						APPROVED BY MIWASIECZKO		DATE 2013/02/12						
						MATERIAL NO.								
B						SEE SHEET 2&4		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						