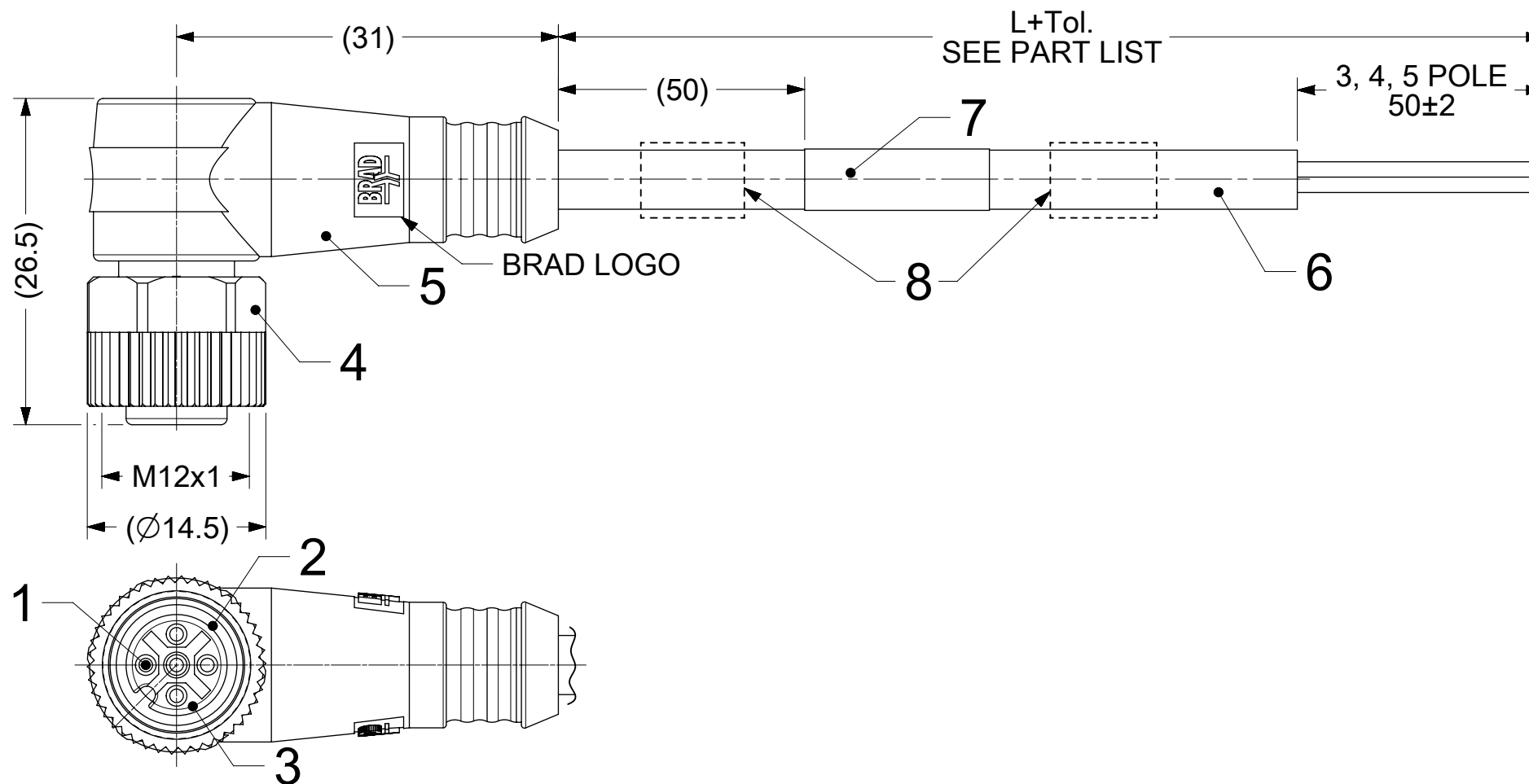


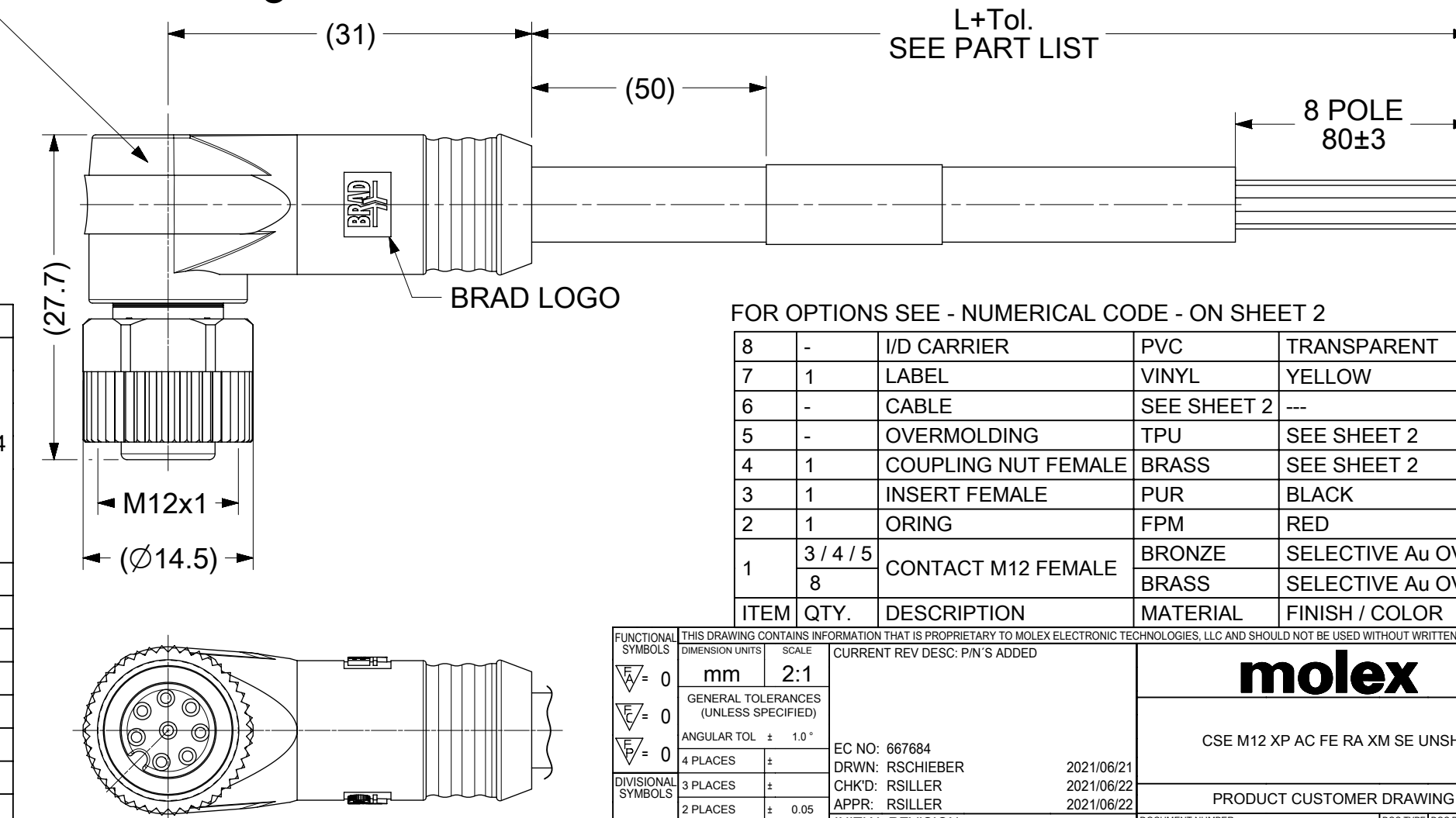
FEMALE PLUG M12 90° ANGLED

NOTES:

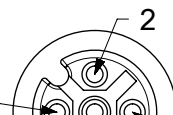
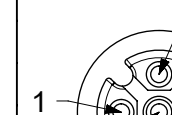
RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +80°C



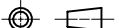
Thicker Overmold for Cables —
with bigger Outer Diameter ($\phi > 6$)



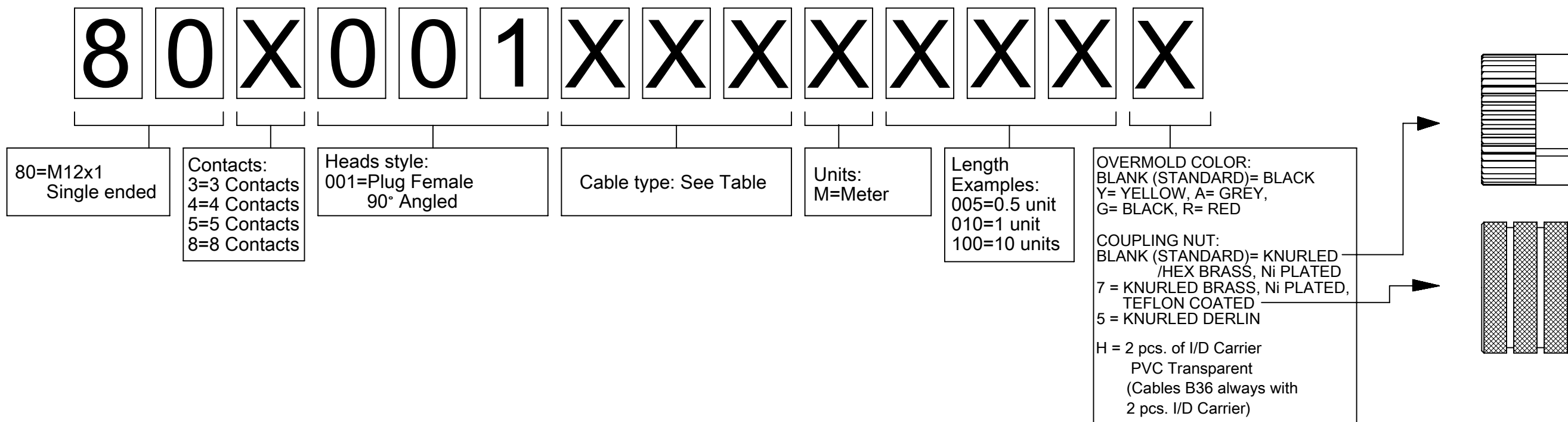
CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
							
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 OR GREEN/YELLOW	5	GREY
						6	PINK
						7	BLUE
						8	RED
CODING REQUIRED TO IEC 61076-2-101							

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2				
8	-	I/D CARRIER	PVC	TRANSPARENT
7	1	LABEL	VINYL	YELLOW
6	-	CABLE	SEE SHEET 2	---
5	-	OVERMOLDING	TPU	SEE SHEET 2
4	1	COUPLING NUT FEMALE	BRASS	SEE SHEET 2
3	1	INSERT FEMALE	PUR	BLACK
2	1	ORING	FPM	RED
1	3 / 4 / 5	CONTACT M12 FEMALE	BRONZE	SELECTIVE Au OVER N
	8		BRASS	SELECTIVE Au OVER N
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH / COLOR

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	DIMENSION UNITS		SCALE		CURRENT REV DESC: P/N'S ADDED			molex					
	mm		2:1										
	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 667684 DRWN: RSCHIEBER 2021/06/21 CHK'D: RSILLER 2021/06/22 APPR: RSILLER 2021/06/22			CSE M12 XP AC FE RA XM SE UNSH					
	ANGULAR TOL ± 1.0 °												
	4 PLACES		±										
	3 PLACES		±										
	2 PLACES		± 0.05										
	DIVISIONAL SYMBOLS	1 PLACE		± 0.3		INITIAL REVISION: APPR: FSCHAFHAUSER 2014/02/10 APPR: CBURGER 2014/05/07			DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
		0 PLACES		± 0.5					SD-120065-076		PSD	001	A5
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE	120065	SEE SHEET 3		GENERAL MARKET		1 OF 3	

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).



CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAW CHAIN TESTED	OTHER	CABLE SPEC. DRAWING
B30	3 / 4 / 5	0.34mm²	TPU BLACK	STYLE 21215	YES	-40°C to +90°C, 5xO.D.	-25°C to +80°C, 7.5xO.D.	5 MIO CYCLES	WELD SLAG RESISTANCE	SD-120209-001
B42	5									SD-120209-001
B41	8	0.25mm²	SD-120209-006							
B36	4	0.34mm²	TPU ORANGE							SD-120209-001
B33	4 / 5	0.34mm²	TPU GRAY							SD-120209-001
B55	4 / 5	0.34mm²	TPU YELLOW							1552200001 PS

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/22	13:20:30
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FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																
DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: P/N'S ADDED				molex								
	mm		1:1														
	GENERAL TOLERANCES (UNLESS SPECIFIED)																
	ANGULAR TOL ± 1.0 °																
	4 PLACES		±		EC NO: 667684												
	3 PLACES		±		DRWN: RSCHIEBER 2021/06/21												
	2 PLACES		± 0.05		CHK'D: RSILLER 2021/06/22												
1 PLACE		± 0.3		APPR: RSILLER 2021/06/22													
0 PLACES		± 0.5		INITIAL REVISION:				PRODUCT CUSTOMER DRAWING									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
						A3-SIZE		120065		SD-120065-076		PSD		001		A5	
										MATERIAL NUMBER		CUSTOMER				SHEET NUMBER	
										SEE SHEET 3		GENERAL MARKET				2 OF 3	

PART LIST

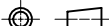
Lp.	MOLEX PN	ENGINEERING No	L+Tol. [mm]
1	1200652259	803001B30M010	1000 +40
2	1200652260	803001B30M020	2000 +60
3	1200652261	803001B30M050	5000 +60
4	1200652262	803001B30M100	10000 +80
5	1200652263	804001B30M010	1000 +40
6	1200652264	804001B30M020	2000 +60
7	1200652265	804001B30M050	5000 +60
8	1200652266	804001B30M100	10000 +80
9	1200659401	804001B30M150	15000 +160
10	1200659470	804001B30M030	3000 +60
11	1200659471	804001B30M200	20000 +160
12	1200659472	804001B30M250	25000 +160
13	1200659473	804001B30M300	30000 +300
14	1200659522	805001B30M010	1000 +40
15	1200659523	805001B30M020	2000 +60
16	1200659524	805001B30M050	5000 +60
17	1200659525	805001B30M100	10000 +80
18	1200659748	805001B30M150	15000 +160
19	1200659807	804001B30M083	8300 +80
20	1200652310	808001B41M010	1000 +40
21	1200652311	808001B41M020	2000 +60
22	1200652312	808001B41M050	5000 +60
23	1200652313	808001B41M100	10000 +80
24	1200656022	808001B41M150	15000 +160
25	1200659789	808001B41M083	8300 +80
26	1200652267	805001B42M010	1000 +40
27	1200652268	805001B42M020	2000 +60
28	1200652269	805001B42M050	5000 +60
29	1200652270	805001B42M100	10000 +80
30	1200659542	805001B42M200	20000 +160
31	1200656391	804001B36M0207H	2000 +60
32	1200656392	804001B36M0507H	5000 +60
33	1200656393	804001B36M1007H	10000 +80
34	1200656484	805001B30M200	20000 +160
35	1200656486	808001B41M200	20000 +160
36	*1200659432	804001B36M0207Y	2000 +60
37	*1200659433	804001B36M0507Y	5000 +60
38	*1200659434	804001B36M1007Y	10000 +80
39	1200656607	804001B33M010A	1000 +40
40	1200656608	804001B33M020A	2000 +60

NOTE:

* (STAR) - INDICATES THESE PNS ONLY HAVE ID CARRIER IN BOM.

DOCUMENT STATUS	P1	RELEASE DATE	2021/06/22	13:20:30
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[illegible]

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION									
DIMENSION UNITS		SCALE		CURRENT REV DESC: P/N'S ADDED				molex			
mm		1:1									
GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 667684 DRWN: RSCHIEBER2021/06/21 CHK'D: RSILLER2021/06/22 APPR: RSILLER2021/06/22				CSE M12 XP AC FE RA XM SE UNSH					
ANGULAR TOL ± 1.0 °											
4 PLACES ±		INITIAL REVISION: DRWN: FSCHAFFHAUSER2014/02/10 APPR: CUBURGER2014/05/07				DOCUMENT NUMBER SD-120065-076		DOC TYPE PSD	DOC PART 001	REVISION A5	
3 PLACES ±											
2 PLACES ± 0.05		THIRD ANGLE PROJECTION 		DRAWING A3-SIZE	SERIES 120065	MATERIAL NUMBER SEE SHEET 3	CUSTOMER GENERAL MARKET	SHEET NUMBER 3 OF 3			
1 PLACE ± 0.3											
0 PLACES ± 0.5		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS									
DIVISIONAL SYMBOLS											