

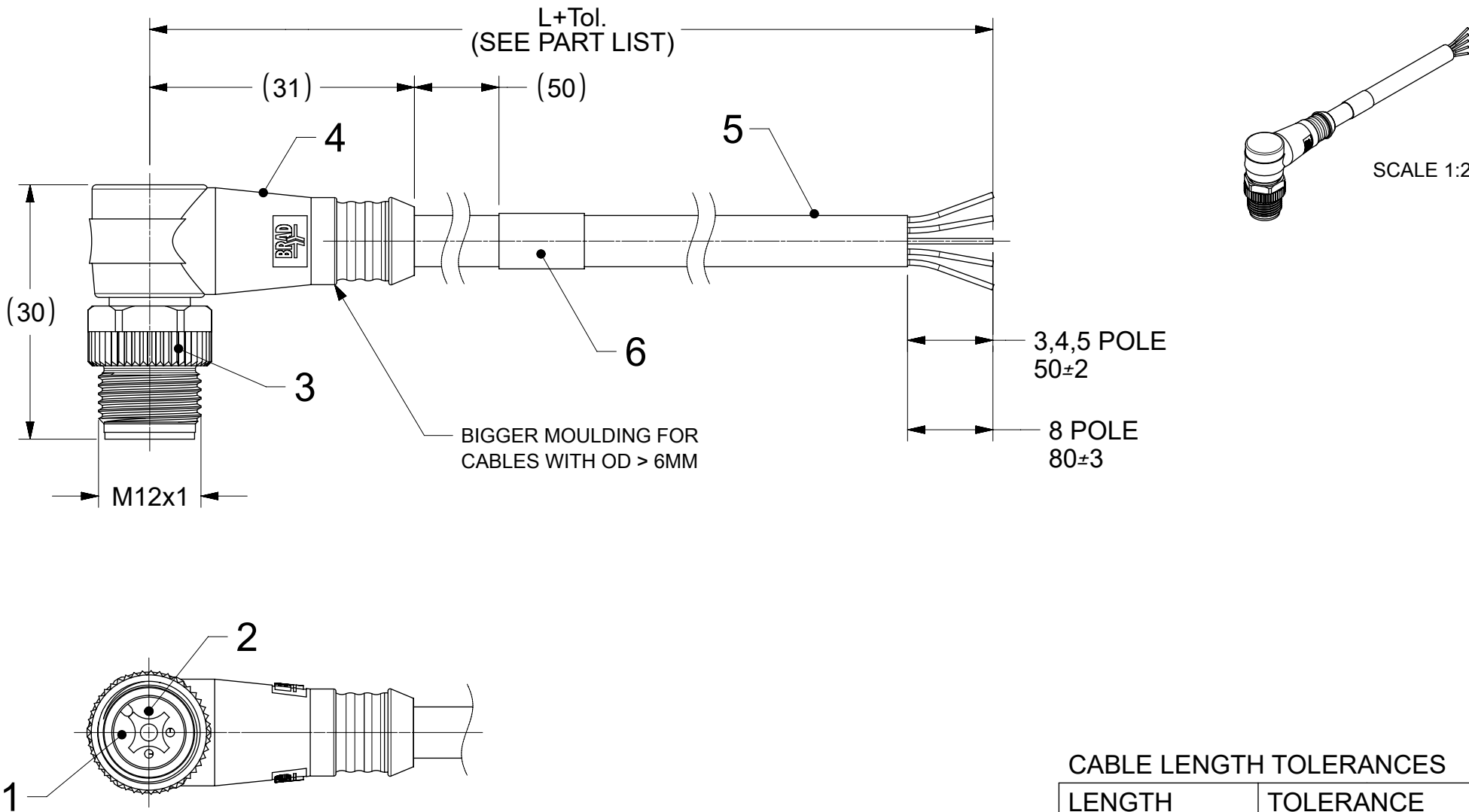
NOTES:

TEMPERATURE : SEE CABLE INFORMATION
RANGE ON PAGE 2

RATED VOLTAGE: 3, 4 contacts : 250V
5 contacts : 60V
8 contacts : 30V

RATED CURRENT: 3, 4, 5 contacts : 4A
8 contacts : 2A

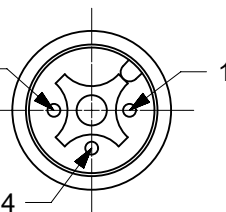
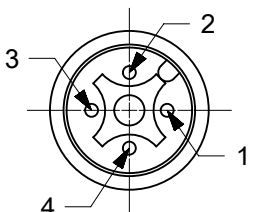
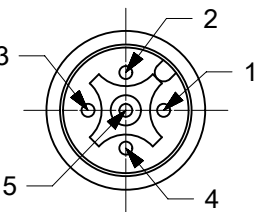
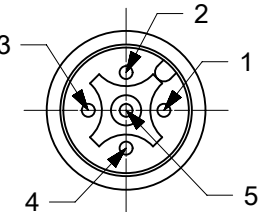
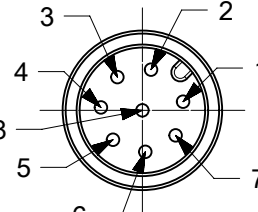
INSULATION RESISTANCE: 10⁸ Ω MIN.
MATING CYCLES: MIN. 100
ENVIRONMENTAL:PROTECTION: IP67 IN MATED
AND LOCKED POSITION



CABLE LENGTH TOLERANCES

LENGTH	TOLERANCE
0 m - 1 m	+40 mm
>1 m - 5 m	+60 mm
>5 m - 10 m	+80 mm
>10 m - 20 m	+140 mm
>20 m - 30 m	+160 mm
>30 m	+1% length

MATING FACE VIEW

3-WIRE	4-WIRE	5-WIRE	5-WIRE	8-WIRE																																																																		
																																																																						
B30 CABLE	B30, B33, B55 CABLE	B30, B33, B55 CABLE	B42 CABLE	B41 CABLE																																																																		
<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>-</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr><tr><td>5</td><td>-</td></tr></table>	PIN	WIRE	1	BROWN	2	-	3	BLUE	4	BLACK	5	-	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr><tr><td>5</td><td>-</td></tr></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	5	-	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr><tr><td>5</td><td>GREY</td></tr></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	5	GREY	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr><tr><td>5</td><td>GREEN/YELLOW</td></tr></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	5	GREEN/YELLOW	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>WHITE</td></tr><tr><td>2</td><td>BROWN</td></tr><tr><td>3</td><td>GREEN</td></tr><tr><td>4</td><td>YELLOW</td></tr><tr><td>5</td><td>GREY</td></tr><tr><td>6</td><td>PINK</td></tr><tr><td>7</td><td>BLUE</td></tr><tr><td>8</td><td>RED</td></tr></table>	PIN	WIRE	1	WHITE	2	BROWN	3	GREEN	4	YELLOW	5	GREY	6	PINK	7	BLUE	8	RED
PIN	WIRE																																																																					
1	BROWN																																																																					
2	-																																																																					
3	BLUE																																																																					
4	BLACK																																																																					
5	-																																																																					
PIN	WIRE																																																																					
1	BROWN																																																																					
2	WHITE																																																																					
3	BLUE																																																																					
4	BLACK																																																																					
5	-																																																																					
PIN	WIRE																																																																					
1	BROWN																																																																					
2	WHITE																																																																					
3	BLUE																																																																					
4	BLACK																																																																					
5	GREY																																																																					
PIN	WIRE																																																																					
1	BROWN																																																																					
2	WHITE																																																																					
3	BLUE																																																																					
4	BLACK																																																																					
5	GREEN/YELLOW																																																																					
PIN	WIRE																																																																					
1	WHITE																																																																					
2	BROWN																																																																					
3	GREEN																																																																					
4	YELLOW																																																																					
5	GREY																																																																					
6	PINK																																																																					
7	BLUE																																																																					
8	RED																																																																					

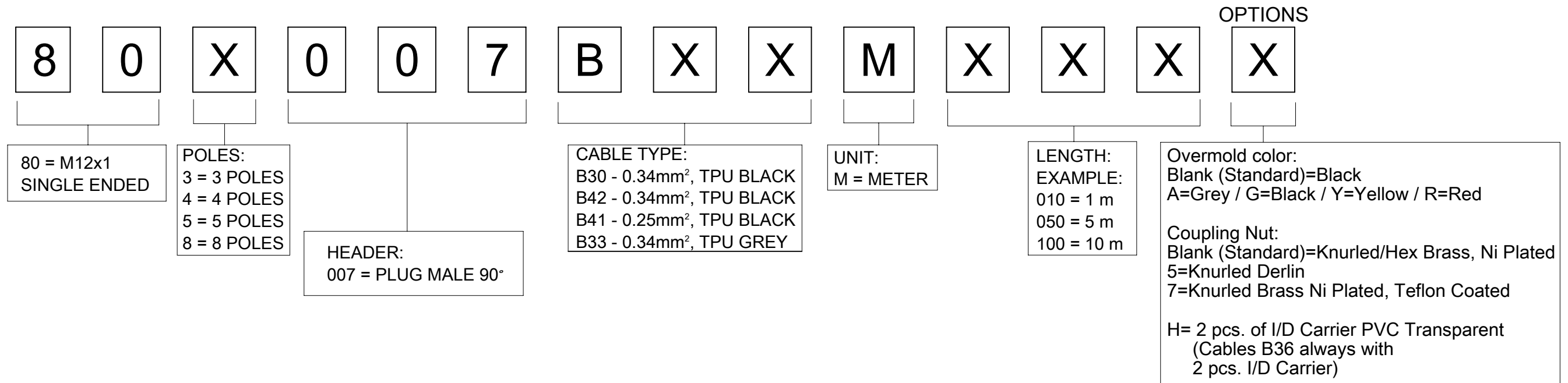
CODING REQUIRED TO
IEC 61076-2-101

BOM

6	1	LABEL	VINYL	YELLOW
5	-	CABLE	SEE CABLE INFORMATION	-
4	-	OVERMOULD	TPU	BLACK
3	1	COUPLING NUT MALE	BRASS	Ni-PLATED
2	3/4/5/8	CONTACT MALE	BRASS	GOLD OVER Ni-PLATED
1	1	INSERT MALE	PA	BLACK
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH/COLOR

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: CHANGED DIMENSIONINGSTYLE OF OVERALL LENGTH TO END TO END			molex CSE M12 XP AC MA RA XM SE UNSH								
mm		1.5:1													
GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 789428 DRWN: AKABADI2023/02/27 CHK'D: RSILLER2024/07/02 APPR: RSILLER2024/07/02											
ANGULAR TOL ± 1.0 °															
4 PLACES		±		PRODUCT CUSTOMER DRAWING											
3 PLACES		±													
2 PLACES		± 0.05		INITIAL REVISION: DRWN: SSM2021/12/07 APPR: RSILLER2022/02/28											
1 PLACE		± 0.3													
0 PLACES		± 0.5		DOCUMENT NUMBER			DOC TYPE		DOC PART		REVISION				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				1200652283			PSD		000		B				
				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120065		SEE PART LIST		GENERAL MARKET		1 OF 3	

ENGINEERING NO - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon 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	DRAG CHAIN	OTHER
B30	3 / 4 / 5	0.34mm²	TPU Black	UL 21215	YES	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	WELD SLAG RESISTANCE
B41	8	0.25mm²	TPU Black						
B42	5	0.34mm²	TPU Black						
B33	4 / 5	0.34mm²	TPU Gray						
B55	4 / 5	0.34mm²	TPU Yellow						

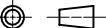
FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																			
		DIMENSION UNITS		SCALE		CURRENT REV DESC: CHANGED DIMENSIONSTYLE OF OVERALL LENGTH TO END TO END						molex									
mm		1:1																			
GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC MA RA XM SE UNSH																	
ANGULAR TOL ± 1.0 °																					
4 PLACES		±																			
DIVISIONAL SYMBOLS		3 PLACES		±		EC NO: 789428		DRWN: AKABADI		2023/02/27		PRODUCT CUSTOMER DRAWING									
		CHK'D: RSILLER		2024/07/02																	
		APPR: RSILLER		2024/07/02																	
		2 PLACES		± 0.05		INITIAL REVISION:						DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION			
		1 PLACE		± 0.3								DRWN: SSM				2021/12/07		1200652283			PSD
0 PLACES		± 0.5		APPR: RSILLER								2022/02/28									
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER							
						A3-SIZE		120065		SEE PART LIST		GENERAL MARKET		2 OF 3							

PART LIST

MOLEX PN	ENGINEERING No	L [mm]
3P CABLE B30		
1200652283	803007B30M010	1000
1200652284	803007B30M020	2000
1200652285	803007B30M050	5000
1200652286	803007B30M100	10000
4P CABLE B30		
1200652287	804007B30M010	1000
1200652288	804007B30M020	2000
1200652289	804007B30M050	5000
1200652290	804007B30M100	10000
1200659586	804007B30M200	20000
5P CABLE B30		
1200659530	805007B30M010	1000
1200659531	805007B30M020	2000
1200659532	805007B30M050	5000
1200659533	805007B30M100	10000
1200656402	805007B30M150	15000
1200656403	805007B30M200	20000
1200656404	805007B30M300	30000
1200656405	805007B30M500	50000

MOLEX PN	ENGINEERING No	L [mm]
8P CABLE B41		
1200652314	808007B41M010	1000
1200652315	808007B41M020	2000
1200652316	808007B41M050	5000
1200652317	808007B41M100	10000
5P CABLE B42		
1200652291	805007B42M010	1000
1200652292	805007B42M020	2000
1200652293	805007B42M050	5000
1200652294	805007B42M100	10000
1200659545	805007B42M200	20000
4P CABLE B33		
1200657162	804007B33M005A	500
1200656615	804007B33M010A	1000
1200656616	804007B33M020A	2000
1200657163	804007B33M030A	3000
1200656617	804007B33M050A	5000
1200656618	804007B33M100A	10000
1200656619	804007B33M200A	20000
5P CABLE B33		
1200657192	805007B33M005A	500
1200656683	805007B33M010A	1000
1200656684	805007B33M020A	2000
1200657193	805007B33M030A	3000
1200656685	805007B33M050A	5000
1200656686	805007B33M100A	10000
1200656687	805007B33M200A	20000
1200657194	805007B33M300A	30000
1200657195	805007B33M400A	40000
1200657196	805007B33M500A	50000

MOLEX PN	ENGINEERING No	L [mm]
4P CABLE B55		
1200656638	804007B55M010Y	1000
1200656639	804007B55M020Y	2000
1200656640	804007B55M050Y	5000
1200656641	804007B55M100Y	10000
1200656642	804007B55M200Y	20000
5P CABLE B55		
1200656688	805007B55M010Y	1000
1200656689	805007B55M020Y	2000
1200656690	805007B55M050Y	5000
1200656691	805007B55M100Y	10000
1200656692	805007B55M200Y	20000

FUNCTIONAL SYMBOLS DIVISIONAL 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: CHANGED DIMENSIONINGSTYLE OF OVERALL LENGTH TO END TO END			molex CSE M12 XP AC MA RA XM SE UNSH						
	mm		1:1											
	GENERAL TOLERANCES (UNLESS SPECIFIED)													
	ANGULAR TOL ± 1.0 °													
	4 PLACES							EC NO: 789428			PRODUCT CUSTOMER DRAWING			
	3 PLACES				DRWN: AKABADI 2023/02/27									
	2 PLACES		± 0.05		CHK'D: RSILLER 2024/07/02									
	1 PLACE		± 0.3		APPR: RSILLER 2024/07/02			DOCUMENT NUMBER				DOC TYPE	DOC PART	REVISION
	0 PLACES		± 0.5		INITIAL REVISION:			1200652283				PSD	000	B
DRIFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
				A3-SIZE		120065		SEE PART LIST		GENERAL MARKET		3 OF 3		

DOCUMENT STATUS	P1	RELEASE DATE	2024/07/02	09:17:35
-----------------	----	--------------	------------	----------