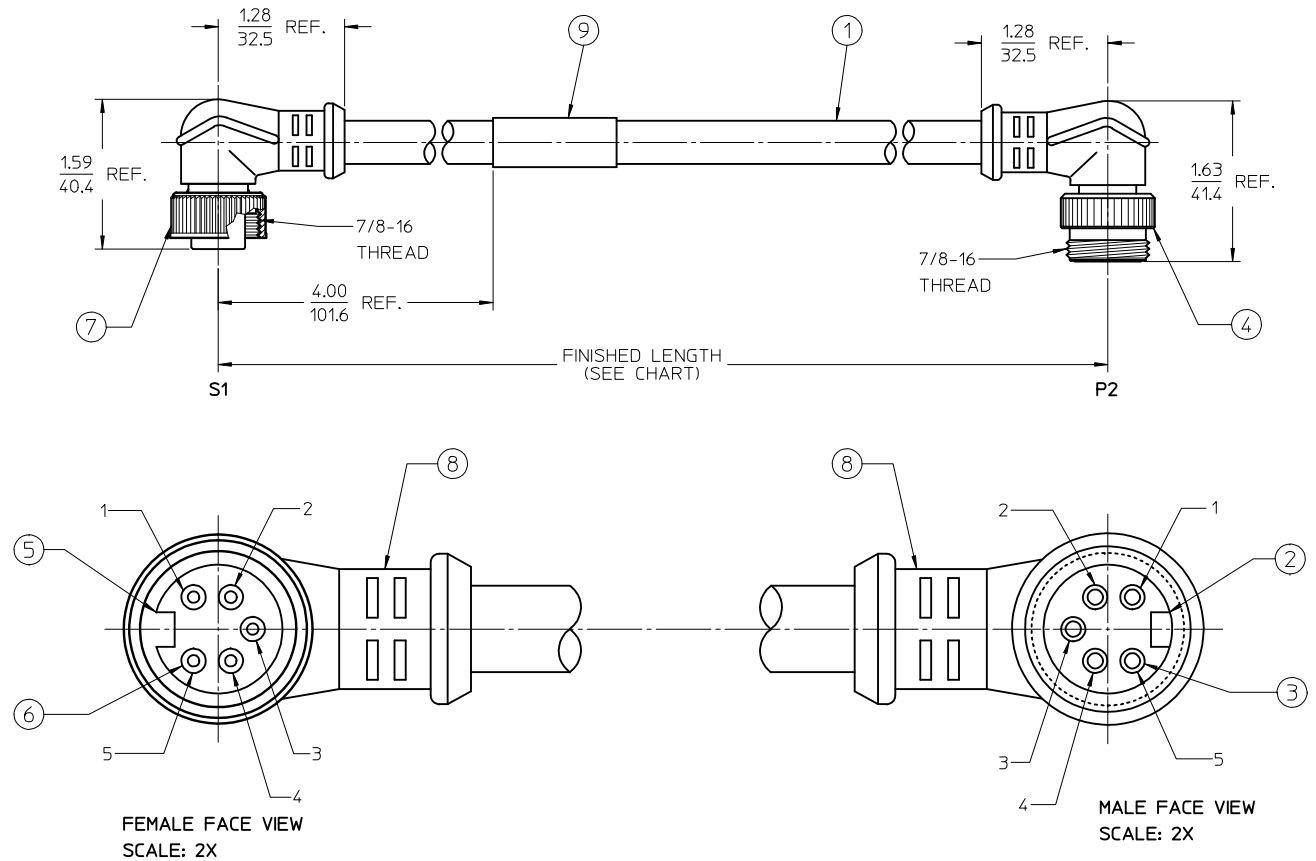


NOTES:

1. MATERIAL: SEE TABLE
2. FINISHES: SEE TABLE
3. ELECTRICAL SPECIFICATIONS
VOLTAGE RATING: 300V AC/DC
CURRENT RATING: 8 AMPS
4. PROTECTION: IP67
5. ASSEMBLY IS RoHS COMPLIANT
BY EXEMPTION



⑧ CABLE ASSY TYPE:
MIN-CHANGE 5P
FEMALE 90° TO
MALE 90° EXT THD.

16AWG PUR
GRAY

FINISHED LENGTH
M005: 0.5 METERS
M010: 1.0 METERS
M100: 10.0 METERS

S1	P2
1 BLACK	1
2 BLUE	2
3 GREEN/YELLOW	3
4 BROWN	4
5 WHITE	5

WIRING DIAGRAM

9	1	WRAP LABEL	MYLAR	BLACK/YELLOW
8	2	OVERMOLD-90 DEG	PUR	BLACK
7	1	COUPLING RING-INT. THREAD	ZINC DIE-CAST	BLACK
6	5	CONTACT SOCKET	Cu ALLOY	GOLD PLATED
5	1	INSERT, 5P-FEMALE	PUR	BLACK
4	1	COUPLING RING-EXT. THREAD	ZINC DIE-CAST	BLACK
3	5	CONTACT PIN	Cu ALLOY	GOLD PLATED
2	1	INSERT, 5P-MALE	PUR	BLACK
1	A/R	CABLE 5/C, 1.5mm ² (16 AWG)	PUR JACKET	GRAY
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

ADDED PART NO. MATRIX EC NO: IPG2016-1424 DRWNGGUSTAFSON 2016/04/20 CHKD:MZLELINSKI 2016/05/12 APPR:BRUPERT 2016/04/28	DESCRIPTION	QUALITY SYMBOLS ▽=0 ▽=0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE IN/MM		SCALE 1:1	DESIGN UNITS INCH	THIRD ANGLE PROJECTION			
				mm	INCH	DRAWN BY RSTONE	DATE 2012/10/22	TITLE MINI-CHANGE CABLE ASSY. 5P MALE/FEMALE 90 DEG (16 AWG) PUR				
			4 PLACES	± ---	± ---	CHECKED BY K JOZWIK	DATE 2012/11/26					
			3 PLACES	± ---	± ---	APPROVED BY JFMURPHY		DATE 2012/12/18	molex			
			2 PLACES	± ---	± .01	MATERIAL NO. -----		DOCUMENT NO. SD-130010-025				SHEET NO. 1 OF 1
			1 PLACE	± 0.3	± ---	SIZE C THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION						
			0 PLACE	± ---	± ---							
			ANGULAR ± 2 °		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS							

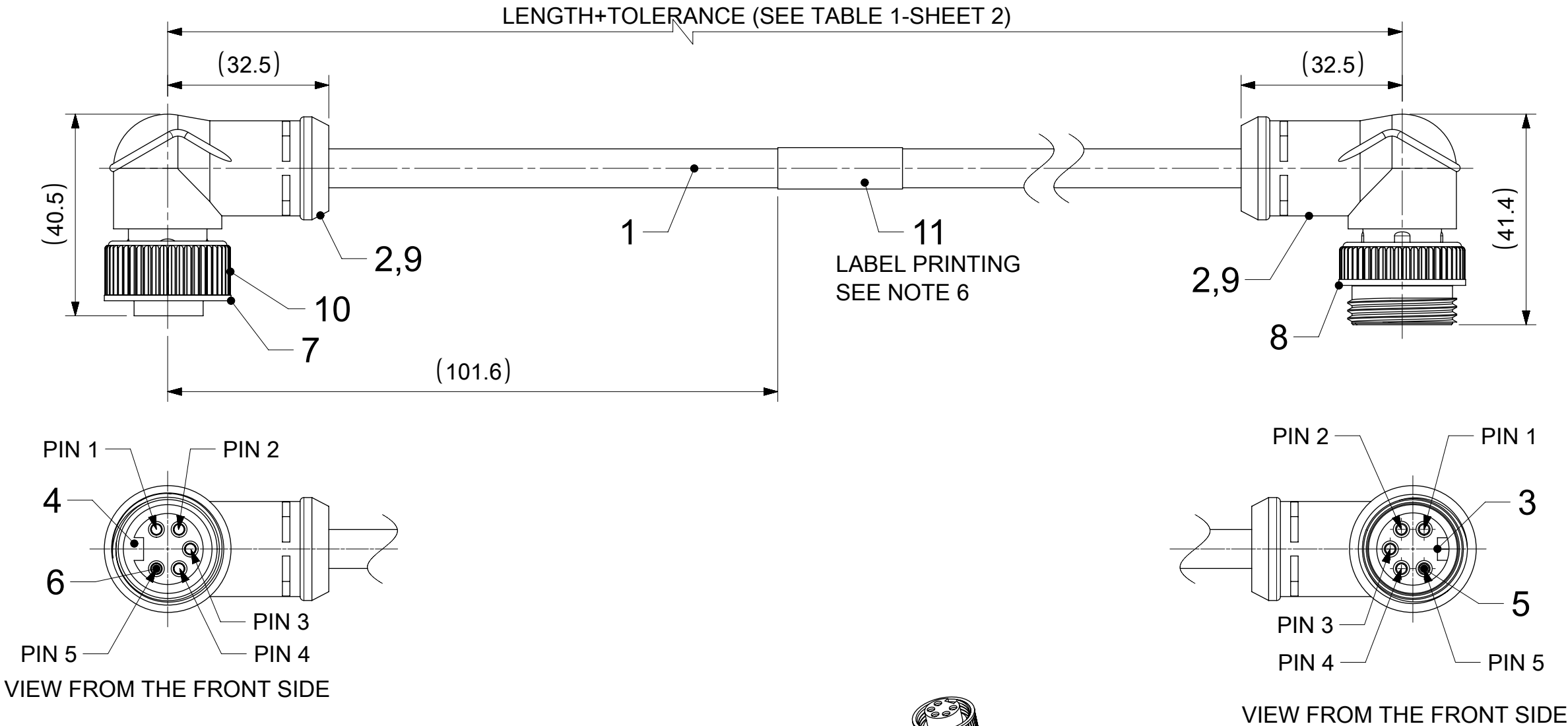
NOTES:

1. MATERIAL: AS NOTED
2. FINISH: AS NOTED
3. ELECTRICAL:

CABLE TYPE (SEE SHEET 2)

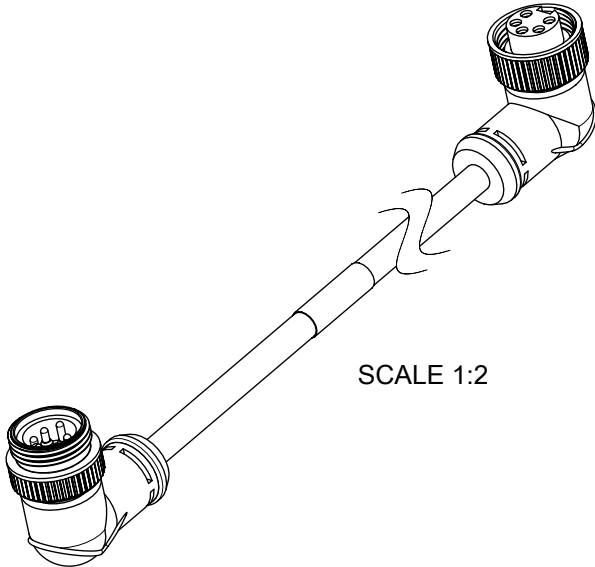
CURRENT: 10 A
4. PROTECTION: IP67 (WHEN MATED)
5. UL CERTIFICATION: UL LISTED, FILE NO. E152210
6. LABEL PRINTING ACC. STANDARD LABEL INSTRUCTION (SEE SHEET 2)

WIRING DIAGRAM



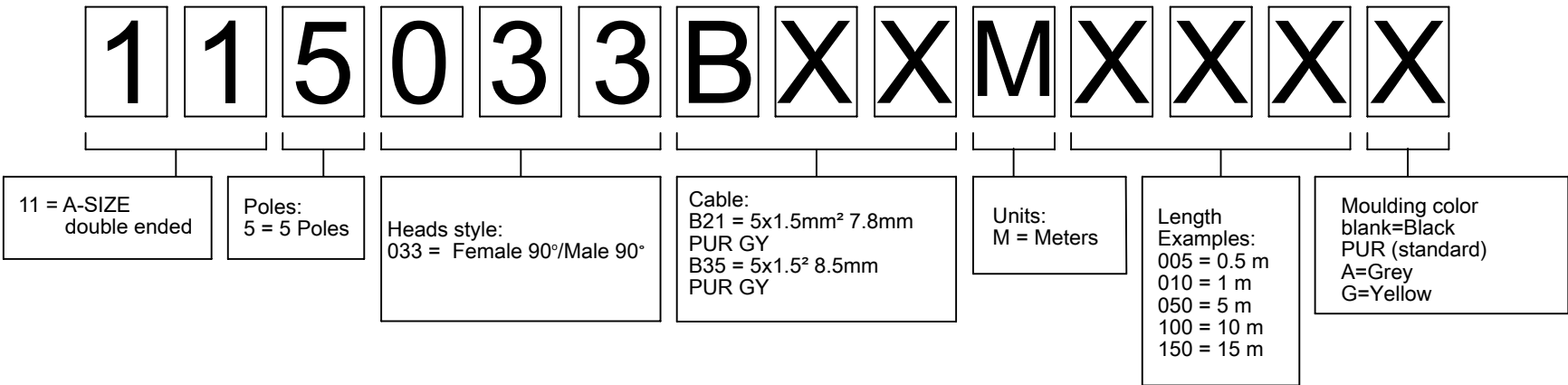
BILL OF MATERIAL

11	1	LABEL;2.0X1.75;WRAP	VINYL	YELLOW
10	1	FRICTION RING - A SIZE	NYLON	-
9	-	TAPE;0.165MMx9MM	POLYSILOXANE	WHITE
8	1	MC COUPLING NUT A-SIZE	ZINC	BLACK
7	1	COUPLING NUT MC A-SIZE EXT.THD	ZINC	BLACK
6	5	MC SOCKET SLEEVE ASSY, 16 AWG	BRASS	GOLD
5	5	MC PIN CONTACT 16AWG	BRASS	GOLD
4	1	5P FEMALE INSERT A SIZE	PUR	BLACK
3	1	5P MALE INSERT A SIZE	PUR	BLACK
2	-	MOULDING MATERIAL	TPU	BLACK
1	-	CABLE 5/C, OD=8.5mm	TPU	GRAY
ITEM	QTY	DESCRIPTION	MATERIAL	FINISH/COLOR
DOCUMENT STATUS	P1	RELEASE DATE	2023/04/27	12:11:52



THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION											
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTES AND CABLE SPEC UPDATED, LABEL PRINTING ADDED			molex CSE MC 5P A-SIZE FE RA MA RA TPU XM			
	mm		1:1								
	FA = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				EC NO: 747270 DRWN: RSCHIEBER2023/04/21 CHK'D: RSILLER2023/04/27 APPR: RSILLER2023/04/27					
	FE = 0										
FF = 0											
DIVISIONAL SYMBOLS	ANGULAR TOL ± 1.0 °				INITIAL REVISION: DRWN: RSTONE2013/12/09 APPR: JFMURPHY2013/12/16				PRODUCT CUSTOMER DRAWING		
	4 PLACES ±										
	3 PLACES ±		DOCUMENT NUMBER SD-130010-031					DOC TYPE PSD	DOC PART 001	REVISION A3	
	2 PLACES ± 0.05										
	1 PLACE ± 0.3		MATERIAL NUMBER SEE TABLE 1					CUSTOMER GENERAL MARKET		SHEET NUMBER 1 OF 2	
	0 PLACES ± 0.5										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING A3-SIZE	SERIES 130010				

PART No. MATRIX

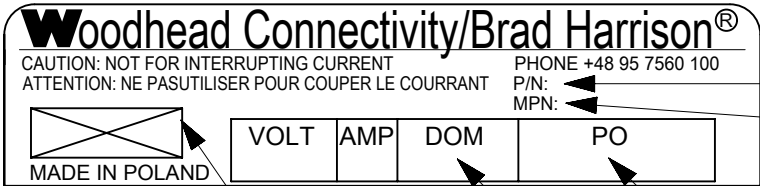


CABLE TYPE	No. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP / BENDING RADIUS	VOLTAGE
B21	5	1.5 mm²	TPU GREY	UL STYLE 758	C22.2	-40°C to + 80°C	-5 °C TO +80 °C	300 V
B35	5	1.5 mm²	TPU GREY	UL STYLE 758	C22.2	-40°C to + 90°C	-25 °C TO +80 °C	600 V

TABLE 1

MOLEX PN	ENGINEERING NO.	L+Tol.[mm]
1300108036	115033B21M010	1000 +56
1300108037	115033B21M020	2000 +89
1300108038	115033B21M030	3000 +89
1300108039	115033B21M050	5000 +165
1300108040	115033B21M100	10000 +317
1300108041	115033B21M150	15000 +610
1300108042	115033B21M200	20000 +610
1300108051	115033B35M010	1000 +56
1300108052	115033B35M020	2000 +89
1300108053	115033B35M030	3000 +89
1300108054	115033B35M050	5000 +165
1300108055	115033B35M100	10000 +317
1300108056	115033B35M150	15000 +610
1300108057	115033B35M200	20000 +610

LABEL PRINTING



ENGINEERING NO.
MOLEX PN

PO NO.
PRODUCT. DATE

CERTIFICATION SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
FUNCTIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: NOTES AND CABLE SPEC UPDATED, LABEL PRINTING ADDED		molex							
FA = 0 FE = 0 FE = 0 <td> mm </td> <td> 1:1 </td> <td colspan="3" rowspan="2">EC NO: 747270 DRWN: RSCHIEBER2023/04/21 CHK'D: RSILLER2023/04/27 APPR: RSILLER2023/04/27</td> <td colspan="3" rowspan="2">CSE MC 5P A-SIZE FE RA MA RA TPU XM</td>	mm	1:1	EC NO: 747270 DRWN: RSCHIEBER2023/04/21 CHK'D: RSILLER2023/04/27 APPR: RSILLER2023/04/27			CSE MC 5P A-SIZE FE RA MA RA TPU XM								
GENERAL TOLERANCES (UNLESS SPECIFIED)														
DIVISIONAL SYMBOLS	ANGULAR TOL ± 1.0 °		INITIAL REVISION:			PRODUCT CUSTOMER DRAWING								
	4 PLACES ±													
	3 PLACES ±		DOCUMENT NUMBER			DOC TYPE			DOC PART			REVISION		
	2 PLACES ± 0.05													
	1 PLACE ± 0.3		SD-130010-031			PSD			001			A3		
	0 PLACES ± 0.5													
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER		
				A3-SIZE		130010		SEE TABLE 1		GENERAL MARKET		2 OF 2		