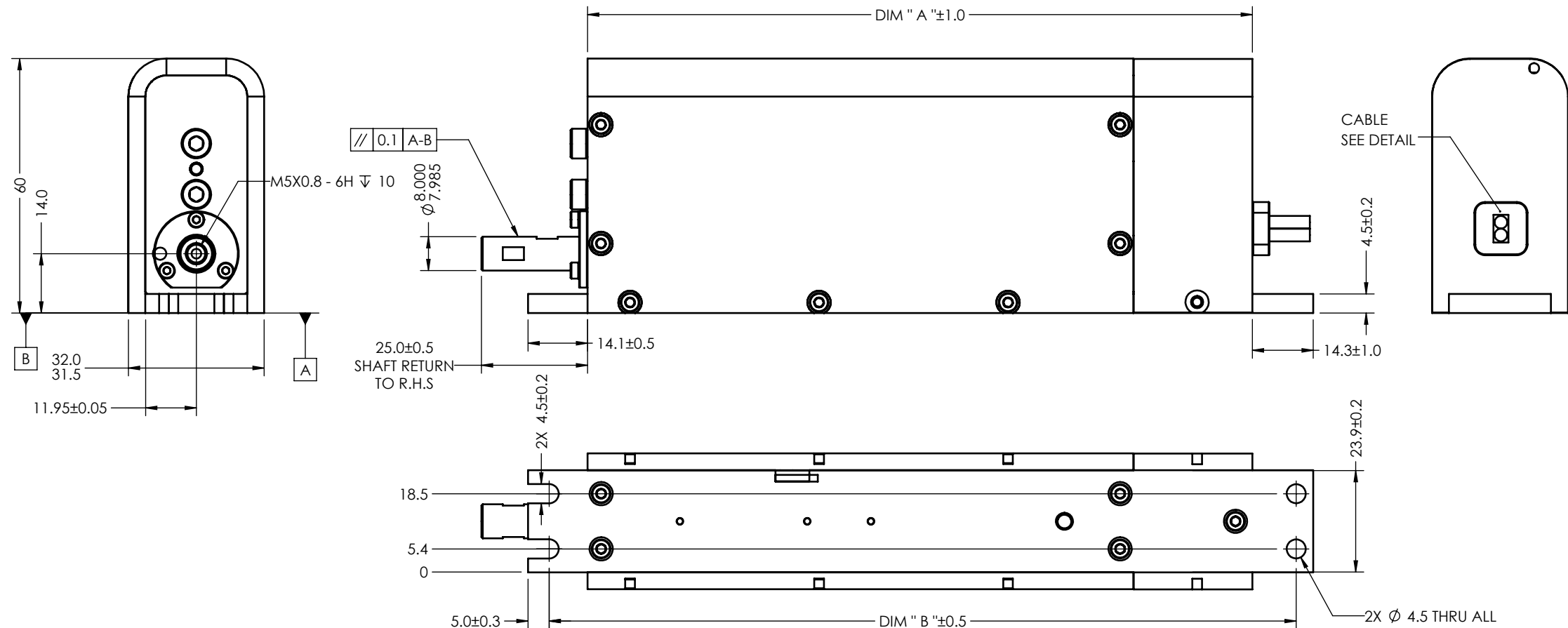
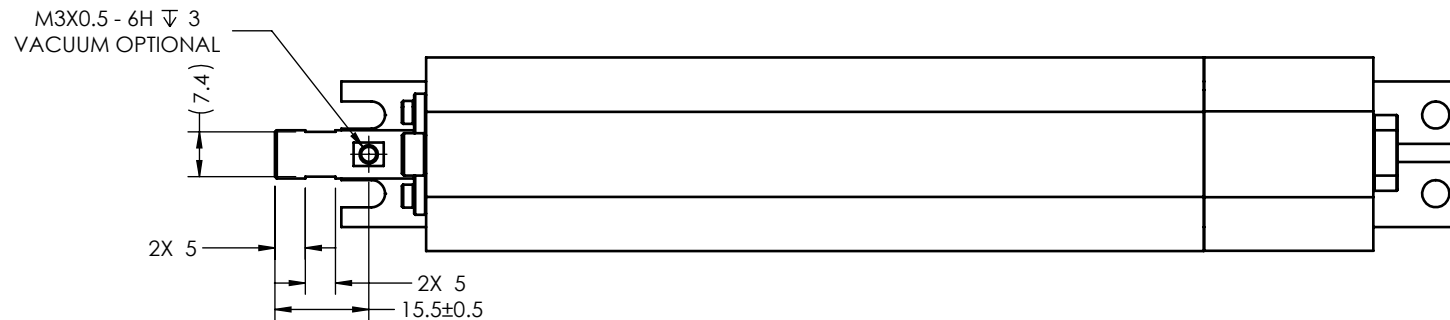


NOTES (UNLESS OTHERWISE SPECIFIED)

1. LINEAR SPECIFICATIONS:
ENCODER REPEATABILITY: ± 2 ENCODER COUNTS
INDEX LOCATION(+Z-Z): 2 - 4 mm (R.H.S)
POLE PITCH: 46.8 mm
2. VACUUM OPTION: OPTIONAL
3. SPRING OPTION: OPTIONAL
4. OPERATING TEMPERATURE: 0°C TO 40°C
5. PLATING: BLACK CERAKOTE

REVISIONS				
REV	ECR	DESCRIPTION	DATE	APPROVED



PIG-TAIL (LG= 0.5 M)

PIN No	HDB-26P
1	(L) PH. A+
2	(L) PH. B+
3	(L) PH. Z+
4	NC
5	NC
6	NC
7	NC
8	NC
9	NC
10	(L) PH. A-
11	(L) PH. B-
12	(L) PH. Z-
13	NC
14	NC
15	NC
16	NC
17	NC
18	NC
19	+5 VDC
20	5V RTN
21	NC
22	L. COIL (U)
23	L. COIL (V)
24	L.COIL (W)
25	NC
26	NC

FLYING LEAD (LG= 3 M)

VLCI-R3			
No	D-SUB 26(MALE)	No	D-SUB 9(FEMALE)
1	INPUT COMMON (0V)	2	TX
2	GPO_COMMON	3	RX
3	GP12	5	GND_CAN
4	GP10	8	
5	GND	9	
6	STO_FB		
7	AN_OUT		
8	GPO2		
9	GPO0		
10	STO2		
11	STO1		
12	GP13		
13	GP11		
14	GND		
15,16	NC		
17	GPO3		
18	GPO1		
19,20,21,22	+5V		
23	GND		
24	AN_IN+		
15	AN_IN-		
26	STO COMMON		

No	UNIT	DETAILS	LPL32-008-7X-4F LPL32C-008-7X-4F	LPL32-025-3X-6F LPL32C-025-3X-6F	LPL32-050-3X-6F LPL32C-050-3X-6F	LPL32-100-3X-6F LPL32C-100-3X-6F	LPL32-150-3X-6F LPL32C-150-3X-6F	LPL32-200-3X-6F LPL32C-200-3X-6F	LPL32-250-3X-6F LPL32C-250-3X-6F
1	mm	LINEAR STROKE	8	25	50	100	150	200	250
2	N	PEAK FORCE	55	55	55	55	55	55	55
3	N/A	FORCE CONSTANT	19.3	19.3	19.3	19.3	19.3	19.3	19.3
4	um	ENCODER RESOLUTION	5, 0.1, 0.5	5, 0.1, 0.5	5, 0.1, 0.5	5,0.1, 0.5	5,0.1, 0.5	5,0.1, 0.5	5,0.1, 0.5
5	Amp	PEAK CURRENT	2.9	2.9	2.9	2.9	2.9	2.9	2.9
6	Ohm	TERMINAL RESISTANCE	15	15	15	15	15	15	15
7	mH	TERMINAL INDUCTANCE	7.7	7.7	7.7	7.7	7.7	7.7	7.7
8	kg	MOVING MASS	0.110	0.150	0.150	0.180	0.200	0.210	0.240
9	kg	TOTAL MASS	1.250	1.410	1.700	2.320	2.850	3.730	4.480
10		VACUUM OPTION	YES	YES	YES	YES	YES	YES	YES
11		SPRING OPTION	YES	YES	YES	YES	YES	TBD	TBD
12	mm	DIM "A"	141.6	156.7	181.6	251.6	316.6	411.6	496.6
13	mm	DIM "B"	161	176.0	200.9	271	336	431	516

REF. NUMBER	LPL32-050(60)
CONTRACT	LPL32-050(60)

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM BREAK EDGES AND REMOVE BURRS TOLERANCES X.: ±0.5 X.X: ±0.1 X.XX: ±0.03 ANGLE: ±0.1° CONCENTRICITY: ±0.025 ROUNDNESS: ±0.025 EDGE BREAKS: 0.2 MAX ALL DIMENSIONS AND TOLERANCES ARE FINAL	MATERIAL:		NAME		DATE		SMAC		5807 VAN ALLEN WAY	
	FINISH:		DWN BY		TV		03/22/24		CARLSBAD CA. 92008	
			CHK BY		TV		03/22/24		(760) 929-7588	
			ENG APP		TV		10/28/24			
	MACHINE FINISH:		1.6/		MFG APP				TITLE:	
			QA APP						LPL32-XXX-YZ	
	INTERPRET PER:		ASME Y14.5-2009		PROPRIETARY AND CONFIDENTIAL					
	 THIRD ANGLE PROJECTION		THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SMAC. ANY REPRODUCTION IN WHOLE OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SMAC IS PROHIBITED.		SIZE:		PART NO:		REV:	
					B		LPL32-XXX-YZ		G1	
					SCALE: 1:1		DO NOT SCALE		SHEET: 1 / 2	

REVISIONS				
REV	ECR	DESCRIPTION	DATE	APPROVED

1. LINEAR SPECIFICATIONS:
ENCODER REPEATABILITY: ± 2 ENCODER COUNTS
INDEX LOCATION(+Z/-Z): 2 - 4 mm (R.H.S)
POLE PITCH: 46.8 mm
2. VACUUM OPTION: OPTIONAL
3. SPRING OPTION: OPTIONAL
4. OPERATING TEMPERATURE: 0°C TO 40°C
5. PLATING: BLACK CERAKOTE

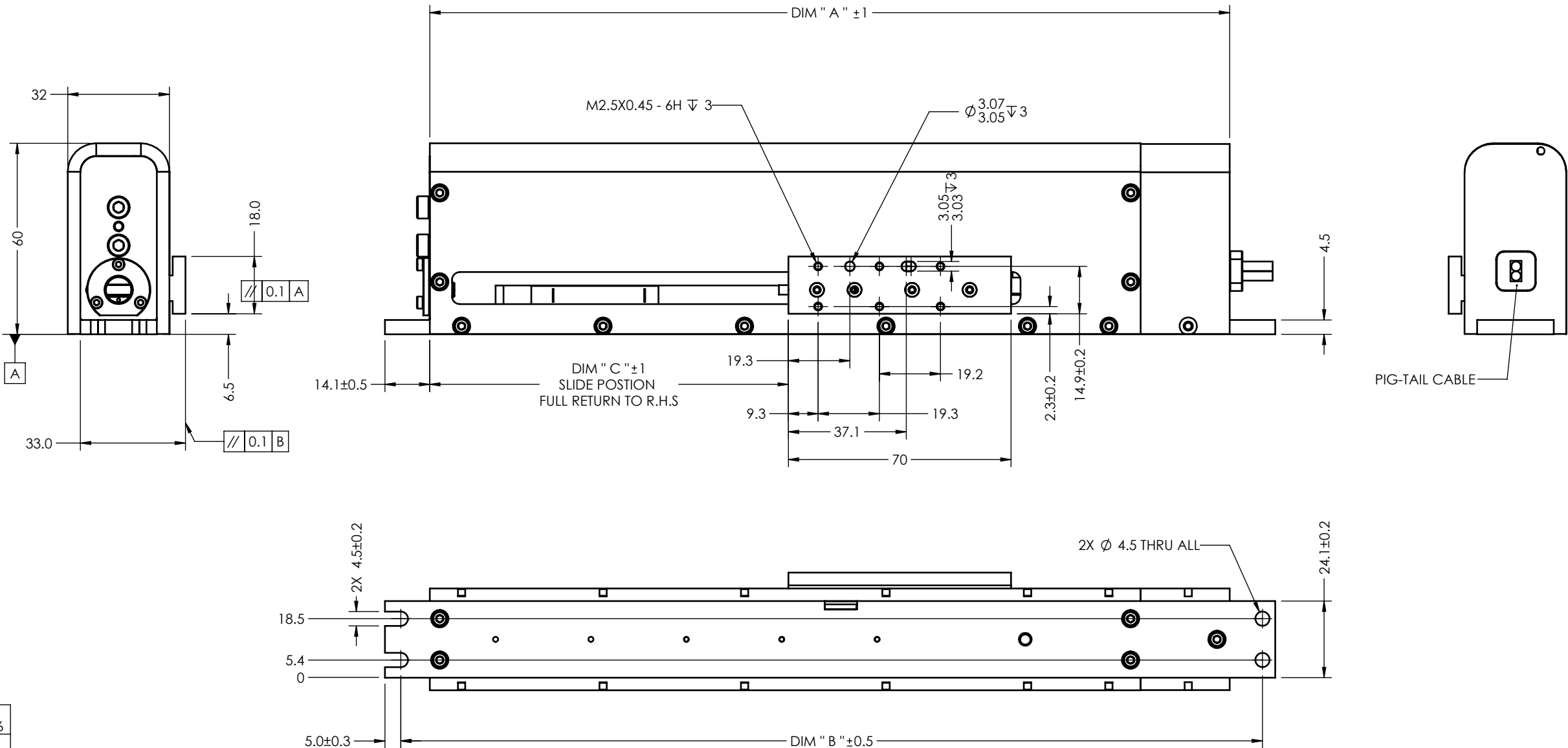
FLYING LEAD (LG= 3 M).

VLCI-R3

No	D-SUB 26(MALE)	No	D-SUB 9(FEMALE)
1	INPUT COMMON (0V)	2	TX
2	GPO_COMMON	3	RX
3	GPIO2	5	GND_CAN
4	GPIO0	8	
5	GND	9	
6	STO_FB		
7	AN_OUT		
8	GPO2		
9	GPO0		
10	STO2		
11	STO1		
12	GPIO3		
13	GPIO1		
14	GND		
15,16	NC		
17	GPO3		
18	GPO1		
19,20,21,22	+5V		
23	GND		
24	AN_IN+		
15	AN_IN-		
26	STO COMMON		

COLOR	POWER LEAD WIRE
RED	+24V
BLACK	GND

No	UNIT	DETAILS	LPS32-100-3X-6 LPS32C-100-3X-6
1	mm	LINEAR STROKE	100
2	N	PEAK FORCE	55
3	N/A	FORCE CONSTANT	19.3
4	um	ENCODER RESOLUTION	5,0,1, 0.5
5	Amp	PEAK CURRENT	2.9
6	Ohm	TERMINAL RESISTANCE	15
7	mH	TERMINAL INDUCTANCE	7.7
8	kg	MOVING MASS	0.185
9	kg	TOTAL MASS	2.300
10		VACUUM OPTION	NO
11		SPRING OPTION	YES
12	mm	DIM "A"	223.7
13	mm	DIM "B"	270
14	mm	DIM "C"	113



UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MM BREAK EDGES AND REMOVE BURRS TOLERANCES X: ±0.5 XX: ±0.1 XXX: ±0.03 ANGLE: ±0.1° CONCENTRICITY: ±0.025 ROUNDNESS: ±0.025 EDGE BREAKS: 0.2 MAX ALL DIMENSIONS AND TOLERANCES ARE FINAL	MATERIAL:		NAME	DATE	SMAC MOVING COIL ACTUATORS 5807 VAN ALLEN WAY CARLSBAD CA, 92008 (760) 929-7588			
	FINISH:		DWN BY	TV	03/22/24			
			CHK BY	TV	03/22/24			
			ENG APP	TV	10/28/24	TITLE:		
	MACHINE FINISH:	1.6/	MFG APP			LPS32-XXX-YZ		
			QA APP					
	INTERPRET PER:	PROPRIETARY AND CONFIDENTIAL						
	ASME Y14.5-2009	THE INFORMATION CONTAINED IN THIS DRAWING IS THE SOLE PROPERTY OF SMAC. ANY REPRODUCTION IN PART OR AS A WHOLE WITHOUT THE WRITTEN PERMISSION OF SMAC IS PROHIBITED.						
THIRD ANGLE PROJECTION				SIZE:	PART NO:	REV:		
				B	LPS32-XXX-YZ	G1		
				SCALE: 1:1 DO NOT SCALE		SHEET: 2 / 2		