

VLA-C265-GR Two-Way Full Range Loudspeaker with 2 x 10" Differential Drive® LF





Table of Contents

Datasheet and Specs Exploded View Schematics Board Layout Bill of Materials JBL Professional Engineering

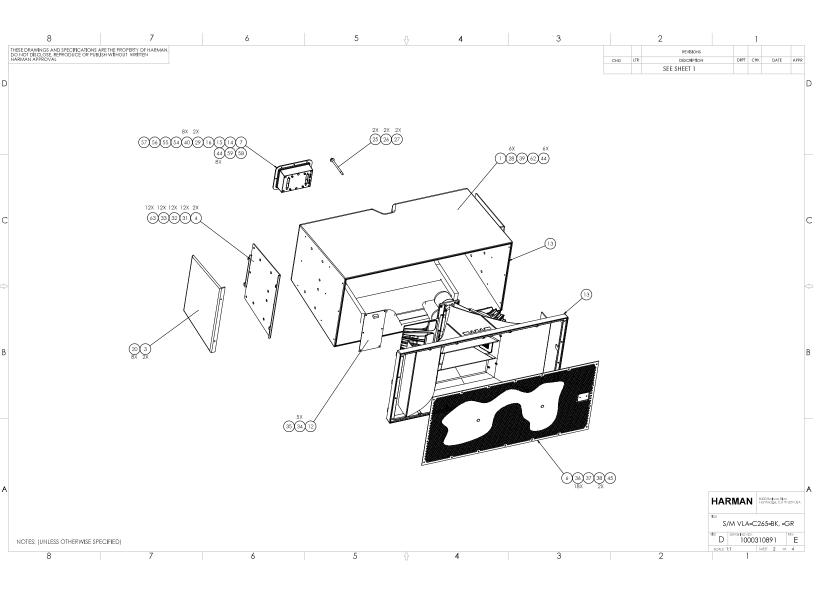
1

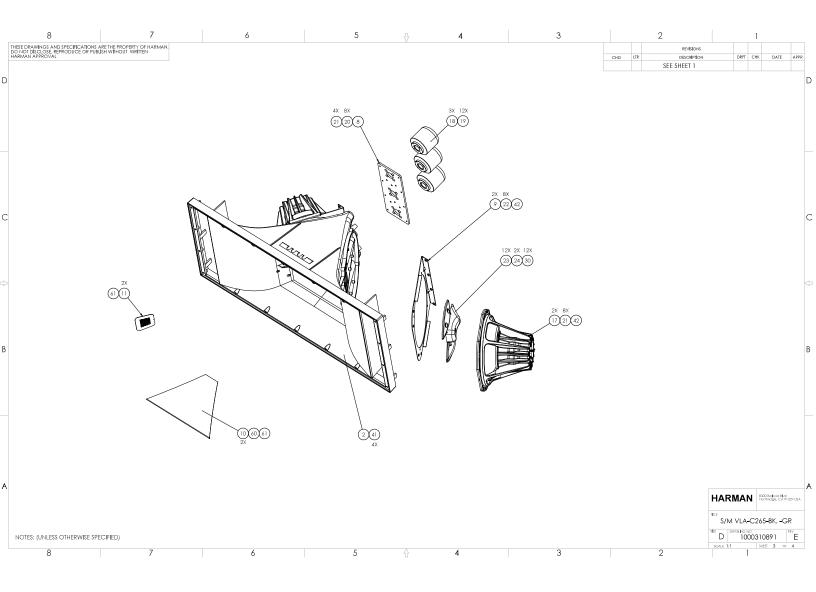
8/6/2018

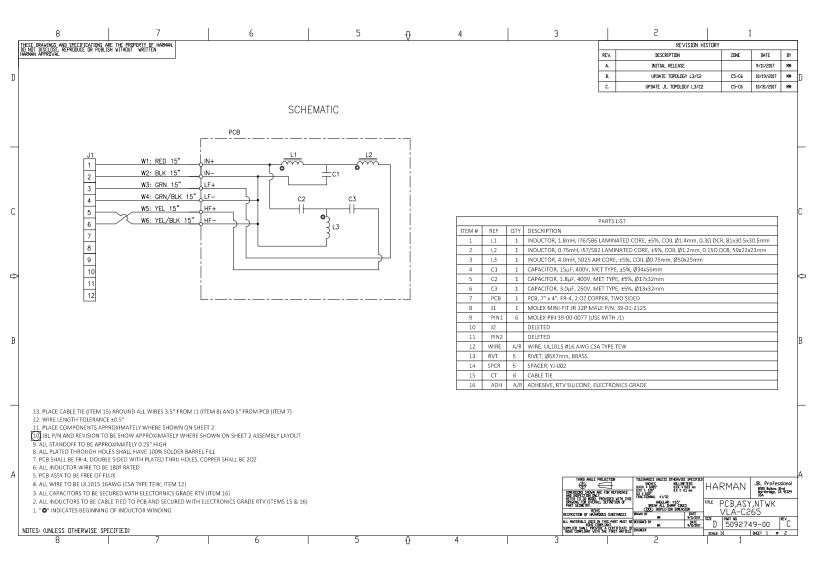
Number 1000320931

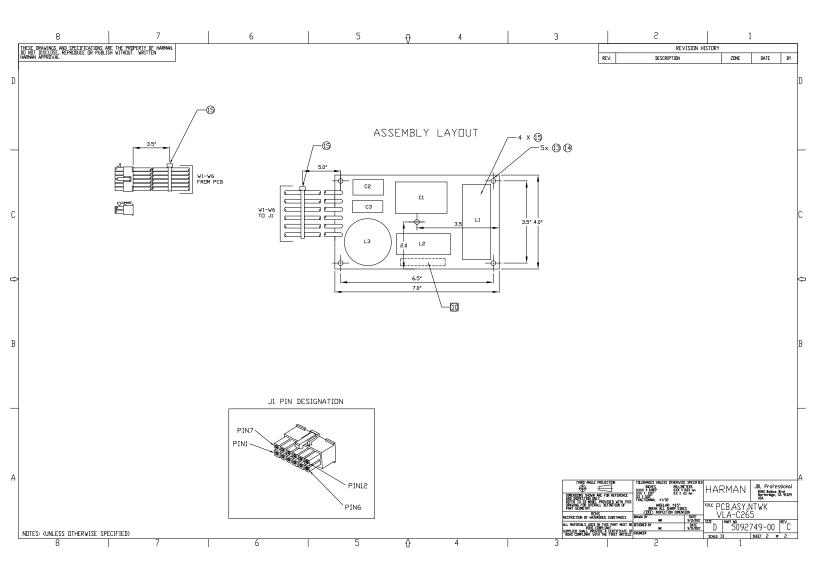
Page

GENERAL DESCRIPTION					
MODEL:	VLA-C265				
DESCRIPTION:	Dual 10", Two-Way Line Array				
SYSTEM COMPONENTS					
LF 354964-003	2261FF x2 (EDS #1922)				
HF 5020810	D2415 x3 (EDS #1000112860)				
ACOUSTICAL AND ELECTRICAL SPECIFICATIONS					
Sensitivity – Raw pass bands	See attached curves, page 2				
Frequency Response (-3dB)	$108Hz - 16.7 \text{ kHz} (4\pi)$				
Frequency Response (-6dB)	$96Hz - 18.2 \text{ kHz} (4\pi)$				
Frequency Response (-10dB)	$85Hz - 19.2 \text{ kHz} (4\pi)$				
Rated Impedance	Passive: 8Ω , LF: 8Ω , HF: 16Ω				
Minimum Impedance	Passive: 6.6 Ω @ 162 Hz,				
	LF: 6.8 Ω @ 185 Hz,				
	HF: 16.2 Ω @ 11 kHz				
Crossover Frequency	950Hz				
Coverage (-6dB)	75° × 5°				
Power Handling with Array preset Passive	80Vrms / 160Vpk @ 100hrs, SMS				
Power Handling with Array preset LF	80Vrms / 160Vpk @ 100hrs, SMS				
Power Handling with Array preset HF	50Vrms / 135Vpk @ 100hrs, SMS				
Maximum SPL measured with Array Preset	137.9 dB				
(2m GP, NTI XL2, 12dB CF Pink Noise)					
System Input Type	Barrier Strip				
System Polarity	All (+) polarity when driven from (+) pin – EXCEPT				
	with Passive Network: HF(-)				
System Protection	DSP driven				
Speaker DSP File	1000336780				
Engineering Test Specification:	1000320930				
PHYSICAL SPECIFICATIONS					
Enclosure Volume for each LF	1.3 cu.ft. / 36liters				
Maximum External Dimensions (in/mm)	15.0/380 H × 33.4/848 W × 18.3/466 D				
Weight (ea.)	83 lbs / 37.7 kg				
DESIGN ENGINEER					
DESIG	N ENGINEER				









Bill of Materials				
Number	Name	Quantity	Unit	
VLA-C265-GR	S/M, VLA-C265-GR			
22389P	FBRGL,1"x72",600SF/ROLL	14	Square Foot SF	
315953-001	BAG,ZIPLOCK,9X12	2	each	
352951-001	THREADLOCK, 9 GRAM STICK, LOCTITE 248	0.001	gram	
354964-003	M/I, 2261FF	2	each	
29074S	PRIMER,BOSTIC,98,O/P,15	0.2	ounce	
31385-08	D/DOME, 2161FF	1	each	
333101-001	ADH,LOCTITE,4204/PRISM,CLEAR	2.8	ounce	
335-00022-00	MAGNET, 2265H	1	each	
337035-001	SHORT RING, 2265	1	each	
337317-001	RIVET, 2265H	1	each	
339-36001-00	POLE PLATE, 2265H	2	each	
340-30003-00	GAP SLEEVE, 226X	1	each	
353219-001	ACTIVATOR, LOCTITE 7091, VARIOUS	0.007	Milliliter	
353289-002	CONE COMPLIANCE(STRAIGHT BODY) 2261	1	each	
353595-002	FRAME, 10", 2261H (TUMBLE DEBURRED)	1	each	
354130-001	SPIDER, 2261	1	each	
362890-001	SOLDER, MULTICORE 96SC (SAC 357)	0.28	gram	
363236-003	VOICE COIL ASSY, 2261FF	1	each	
363672-001	TINSEL LEAD, DUAL, 2261FF	1	each	
363751-001	TERMINAL CUP ASSY, CSYS-U1	1	each	
364219-002	ACC, CYBERBOND BLAST 6003 (SAME AS -001)	0.001		
364743-001	TRIM RING, 261G	1	gram each	
440906-001	ADHESIVE, LOCTITE E120	1.5	Milliliter	
440906-001	ADHESIVE, LOCTITE E120 ADHESIVE, LOCTITE E120 400ml	1.16	Milliliter	
	LABEL, 2261FF (HADM)			
444641-002	CLIP, RETAINER, DVC	1	each	
5036645	· · · ·	2 5.95	each	
71396	ADH,AIRFLEX,400		gram	
71636-27	SHIM, 2262	0.05	Piece	
71666	ADH, SPEEDBONDER 3270	0.2	ounce	
72266	ADH,SICOMET,5181	6.5	gram	
74822		1	each	
72471	RIBBON,XFR,THRM,4.5"x1181	0.2	Meter	
75225	LABEL, BLANK	1	each	
863-41610-08	SCR,8-32 X 1/2,PAN,PH,TT,BLK ZINC,LCS	2	each	
CONSUMABLES	ADHESIVES/PAINTS/CHEMICALS/LABELS/ETCALL	1.999	Piece	
364542-001	WASHER, 3/8x.875 STAINLESS NEOPRENE BACK	12	each	
364835-001	GASKET, ENCLOSURE EON515	17	Lineal Foot	
49790P	MICROFOAM 1/32X18X20	8	each	
5018271	Large Plastic Logo, STX800	1	each	
5020810	M/I, D2415	3	each	
352859-001	ADH, MOYEN 3087	0.001	Milliliter	
353928-002	VOICE COIL, 2408J	2	each	
353929-999	FINISHED, DIAPHRAGM, 2408	2	each	
353929-001	DIAPHRAGM, 2408	1	each	
361864-001	DUPONT TEIJIN FILM TOENEX	27	Square inch	
354261-001	RING, CENTER, 2408H	2	each	
354266-001	PSA, INNER RING, 2408H	6	each	
354312-001	PSA, OUTER	2	each	
361513-001	KAPTON FILM-TAPE, 5mm WIDE, 0.025 MM THK	0.2	Lineal Foot	

361514-001	TERMINAL BOARD, .250, 2408H	1	each
361514-002	TERMINAL BOARD, .187, 2408H	1	each
361514-003	TERMINAL BOARD, 250, WHITE	1	each
361514-004	TERMINAL BOARD,187, WHITE	1	each
361573-001	PSA STRIP, 2408H	8	each
362890-001	SOLDER, MULTICORE 96SC (SAC 357)	0.001	gram
363073-001	GLASS BEADS, COMCO INC., P/N PD1033-3	0.096	US pound
363122-001	SILICONE SEALANT	0.000	gram
365108-001	RUBBER RING, 2408H-1	2	each
444956-010	LABEL, D2415	1	each
5013144	LABEL, TERMINAL FRONT DRIVER (POS) D2430K	1	each
5013145	LABEL, TERMINAL FRONT DRIVER (NEG) D2430K	1	each
5013147	LABEL, TERMINAL REAR DRIVER (POS) D2430K	1	each
5013149	LABEL, TERMINAL REAR DRIVER (NEG) D2430K	1	each
5020759	D2415 POLE PIECE REAR	1	each
5020760	D2415 TOP PLATE FRONT	1	each
5020761	D2415 TOP PLATE REAR	1	each
5020762	D2415 PHASING PLUG FRONT	1	each
5020765	D2415 PHASING PLUG REAR	1	each
5020774	D2415 OD SPACER RING	2	each
5031164	D2415 POLE PIECE FRONT	1	each
5031167	D2415 MAGNET	2	each
5031660	D2415 HEAT SINK	1	each
5038516	D2415 SCREEN	1	each
5038781	JUMPER WIRE, D2415	1	each
5083690	FERROFLUID, APG CDF 1120	0.24	Cubic Centi Meter
5086939	ADHESIVE, LOCTITE E-120HP	0.24	Milliliter
5086940	ADHESIVE, LOCITTE E-120HP ADHESIVE, RESIN E-120HP	1	
5086940	ADHESIVE, RESINE-120HP ADHESIVE, HARDENER E-120HP	0.5	gram
63627	ADHESIVE, HARDENER E-120HP	1	gram
69437	ADHES,LOCTITE 242	0.001	ounce Milliliter
71666	ADHES,LOCTTE 242 ADH, SPEEDBONDER 3270	0.001	
71667	PRIMER, ADH, LOCTITE 7090	0.001	ounce
803-73056-09	SCR, 8-32 x 9/16, SCT, HEX, NF, SS	4	ounce
803-73056-18		1	each
	SCR, 8-32 x 1- 1/8, SCT, HEX, NFD, SS	2	each
5036396	1/4 BONDED SEALER WASHER S/S		each
5057646		1	each
5057740		1	each
5055462	BAG, 2X3, 2MIL, RECLOSABLE, U-LINE S-1291	1	each
5057643	HEYCO LIQUID TIGHT M3216, W/NUT, FOR 1/2"	1	each
802-11056-08	SCR,6-32 X .5,FLT,PH,SS	4	each
5059045	JUMPER WIRE, GREEN, PD500	1	each
5059046	JUMPER WIRE, GRN/BLK, PD500	1	each
5059047	JUMPER WIRE, YELLOW, PD500	1	each
5059048	JUMPER WIRE, YEL/BLK, PD500	1	each
5077882	INPUT CUP ASSY, WRX, GRAY	1	each
5081025	SIDE PLATE, VLA-C265	2	each
5082316	ENCLOSURE, VLA-C265, LT GRAY	1	each
5082668	INNER PLATE, ENCL, VLA-C265	2	each
5083836	INNER TRIM, ENC, VLA-C (INPUT CUP)	1	each
5089084-00	STIFFENER ASSY, VLA-C265	1	each
5086721	STIFFENER, TOP/BOT, VLA-265	2	each

334003-002	PLYWD,BALT,18mm,48"x96"	1.28	Square Foot SF
5086722	STIFFENER, SIDE, VLA-C265	2	each
334003-002	PLYWD,BALT,18mm,48"x96"	1.524	Square Foot SF
5082336	HF PLATE, VLA-C265	1	each
5082337	WOOFER PLATE, VLA-C265	2	each
5082340	V-GRILL, HORN, VLA-C265	2	each
5086692	RBI, VLA-C 2** SERIES	2	each
5088928-01	CBL,WA,VLA-C	1	each
5088929-00	LABEL, OVERLAY, VLA-C	1	each
5089347-00	GASKET, RBI, VLA-C	2	each
5089415-00	SIDE COVER, VLA-C265, GRAY	2	each
5089504-00	ENCL,CVR, 1/2" WRX INPUT, GRAY	1	each
5089984-00	HYDROMESH, VLA-C2100	1	each
5090251-00	HORN, VLA-C265, LT GRAY	1	each
5090282-00	GRILLE, FRONT, VLA-C265/2100, LT GRAY	1	each
5090639-00	FSTNR,WSHR,LKW,M10,SST	12	each
5090640-00	FSTNR,MSCR,TRSSH,PH,8-32X0.5,SST	16	each
5090833-00	FSTNR,MSCR,FLH,PH,8-32X3/8",SST	12	each
5090836-00	FSTNR,RVT,SNAP,WHT,0.093"THK	2	each
5090853-00	HDWR,FOAM STRIP,EDPM,1/2WD,1/16THK	0.2	Piece
5090856-00	SHPMAT,CTN	1	each
5091137-00	HDW, BRKT, ANGLE PL	2	each
5091395-00	FSTNR,MSCR,PH-PNH,8-32X3/8in,18-8,SST	18	each
5092749-00	PCB,ASY,NTWK,VLA-C265	1	each
5092750-00	TAPE, PAINTERS, 24mm, 3M 2090	8	Foot
5092751-00	ADH,SILIC,CLEAR,GE IRON GRIP	10	gram
5092804-00	ADH, MULTI PURPOSE, SPRAY, TL	10	gram
5093074-00	SPKRSYS, GRL, HORN, SMALL	2	each
5095210-00	SHPMAT,FLR,VLA-C265	2	each
5096109-00	HDW, # 8X3/8, SLFTAP, TRUSS, PHI, SS	12	each
5097116-00	FSTNR,MSCR,FLH,PH,6-32x3/4in,SS	12	each
5100661-00	LBL,PRNT,UNDERLAY,VLA-C265-GR	1	each
5082073	LABEL, STOCK UNDERLAY, WRX INPUT CUP	0.029	Piece
59660	WARRANTY CARD, 5YR,PRO	1	each
802-11056-08	SCR,6-32 X .5,FLT,PH,SS	2	each
802-31156-12	SCR,6-32 x 3/4 PHIL,TRUSS,MS 18-8 SS	8	each
802-41156-10	SCR,6-32 X 5/8,PAN,PH,UNF,N/P,SS	8	each
804-41156-12	SCR,10-32 X 3/4,PAN,PH,NO FIN, SS	12	each
818-93756-35	M-10 - 1.5 X 35MM BUT HD SOCK C/S 18-8	12	each
841-90056-00	WASHER, #6 BONDED SEALING NEO SS	14	each
844-03156-06	1/4 SPLIT LOCK WASHER STAINELSS STEEL	2	each
854-00056-64	1/4-20 X 4 HEX HD SS	2	each
882-41156-12	SCR, #6 X 3/4, PAN, PH, SS	6	each
883-31156-10	SCR,8 X 5/8, TRUSS, PH, PB, NO FIN, SS	4	each
883-41110-12	SCR,8 X 3/4,PAN,PH,PB,BLK ZINC,LCS	5	each