

REVISIONS			
REV	ZONE	DESCRIPTION	APPROVAL/DATE
A		RELEASED PER ECO 43696 ECO ORIGINATOR: KANANTHA DRAFTER: MHARIHAR 06/01/10	M.PHIPPS 06/01/10
B		E77000496 LENGTH 9.8 FT WAS 16.4 FT 6022206 LENGTH 2.8 FT WAS 3.1 FT E57000067 QTY 12 WAS QTY 16 2876131 QTY 38 WAS QTY 39 RUNLIST UPDATED REVISED PER ECO 43830 ECO ORIGINATOR: KANANTHA DRAFTER: VSHURPAL 06/11/10	M.PHIPPS 06/11/10
C	1D3	REFDES: 8A4ASPI WAS 8A4ASPI2 UPDATED: RUNLIST E77000496 LENGTH 9.7 FT WAS 9.8 FT REVISED PER ECO 44046 ECO ORIGINATOR: KANANTHA DRAFTER: AMELGE 07/21/10	M.PHIPPS 07/21/10
D	1D1 2D7	ADDED 6060009 1.0 FT ADDED 2115118 QTY 1 ADDED 2876055 QTY 2 E57000067 QTY 14 WAS QTY 12 ADDED RUN 18 & UPDATED WIRE RUNLIST UPDATED DESCRIPTION IN TITLE BLOCK REVISED PER ECO 44819 ECO ORIGINATOR: B.BINNS DRAFTER: KPOOSARA 02/08/11	B.BINNS 02/08/11

- NOTES:
1. IDENTIFY ASSY WITH 'VSEA', REFERENCE DESIGNATION, VSEA PART NO., LATEST REVISION AND SUPPLIER ID NO.
  2. IDENTIFY ALL WIRE TERMINATIONS WITH THEIR FULL REFERENCE DESIGNATION.
  3. ADDITIONAL WIRES AT THE FROM LOCATION. CONTACTS ARE INDICATED AT ALL MULTIPLE LOCATIONS, ONLY ONE CONTACT IS REQUIRED FOR EACH MULTIPLE LOCATION.
  4. ADDITIONAL WIRES AT THE TO LOCATION. CONTACTS ARE INDICATED AT ALL MULTIPLE LOCATIONS, ONLY ONE CONTACT IS REQUIRED FOR EACH MULTIPLE LOCATION.

QTY	UI	DESCRIPTION	PART NUMBER
1.0	FT	CBL, 2CND, 22AWG, F-SHLD, 300V	6060009
0.3	FT	SHRINK, TUBING, BLK, 1/4" ID	E78000004
0.3	FT	SHRINK, TUBING, BLK, 3/4" ID	E78000007
2.8	FT	WIRE, 22AWG, BLU, PVC-IRR, STRD, 300V	6022206
9.7	FT	CBL, 1TWPR, 22AWG, B-SHLD, 300V	E77000496
5.0	FT	CBL, 4CND, 22AWG, 300V	6060136
9.3	FT	CBL, 6CND, 22AWG, 300V	6060040L
14	EA	CONTACT, CRIMP, PIN, 24-20AWG	E57000067
38	EA	CONTACT, CRIMP, SKT, 24-20AWG	2876131
4	EA	CONTACT, CRIMP, PIN, 24-20AWG	2876130
2	EA	CONTACT, CRIMP, MALE, 22-18AWG	2876055
3	EA	LABEL, SELF LAMINATED, 1 X 2.25	E92000113
5	EA	CABLE TIE, BLK NYLON, 8L X .1W	E92000114
2	EA	LABEL, SELF LAMINATED, 1 X 1.44	E92000112
1	EA	PLUG CONN, 50POS, 3ROW, D-SUB	E51001073
1	EA	CONN HOOD, METAL, D-SUB, 50 POS	E51001071
1	EA	LATCH, SPR, CBL CLMP, KIT	E51000379
1	EA	CONN, CPC, 14POS, SER 1, REV SEX, PLUG	E51000317
1	EA	CONN HOOD, CPC, #13 STD SHELL	2116043
1	EA	CONN HOOD, CPC, #23 STD SHELL	2116035
1	EA	CONN HOOD, CPC, #17 STD SHELL	2116032
1	EA	CONN, MINI MATE-N-LOK PLUG, 4 POS	2115118
1	EA	CONN, CPC, 9POS, SER 1, STD SEX, PLUG	2114129
1	EA	CONN, CPC, 37POS, SER 1, STD SEX, PLUG	2111070

HARNESS PARTS LIST			
WORKMANSHIP PER VSEA	ALL DIM ARE IN INCHES UNLESS TOL ARE	APPROVALS	DATE
WORKMANSHIP STANDARDS	0"-12" ± 1/8"	DRWN: MHARIHAR	06/01/10
DRAWING STANDARDS ACCORDING TO VSEA DRAWING PROCEDURES	12"-36" ± 1/4" 36"-72" ± 1/2" 72"-144" ± 1"	CHEK: M.PHIPPS	06/01/10
	144" ± 2"	ELC ENR: BOODHANA	06/01/10
		MCH ENR:	
		PRO ENR:	
		WFO ENR:	
		QAL ENR:	
		DO NOT SCALE THIS DRAWING	

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VARIAN semiconductor equipment  
 Gloucester, MA  
 HARNESS ASSY, ENCLOSURE SENSORS MANOMETER  
 E16465560  
 SCALE: 1/1  
 SHEET 1 OF 2

WHEN THIS DRAWING IS USED AS A TEMPLATE, SCALES INDICATED ARE USED TO CHECK THE STABILITY OF REPRODUCTIONS MADE FROM THIS DRAWING AND SHALL MEASURE WITHIN ± .12 OF INDICATED SCALE


TEMPLATE  
 REPRODUCTIONS OF THIS PRINT CAN NOT BE IN REDUCED FORM!

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A

E16465560 RUN LIST												
RUN	SCHEM CA #	DESCRIPTION			FROM			TO			NOTES	
		PART NO.	GAUGE	COLOR	ATTACH	LOCATION	PIN	LOCATION	PIN	ATTACH		
1	CA370	6060136	22	BLK	2876131	INTPI	1	8A17PI	1	2876130		
1	CA370	6060136	22	BRN	2876131	INTPI	2	8A17PI	2	2876130		
1	CA370	6060136	22	RED	2876131	INTPI	5	8A17PI	13	2876130		
1	CA370	6060136	22	ORN	2876131	INTPI	22	8A17PI	14	2876130		
2	CA372	E77000496	22	BLK	2876131	INTPI	20	8A4A5PI	30	E57000067		
2	CA372	E77000496	22	RED	2876131	INTPI	3	8A4A5PI	35	E57000067		
3	WIRE1345	6022206	22	BLU	2876131	INTPI	7	INTPI	9	2876131		
4	WIRE1346	6022206	22	BLU	2876131	INTPI	8	INTPI	10	2876131		
5	WIRE1347	6022206	22	BLU	2876131	INTPI	4	INTPI	11	2876131		
6	WIRE1348	6022206	22	BLU	2876131	INTPI	6	INTPI	13	2876131		
7	WIRE1349	6022206	22	BLU	2876131	INTPI	12	INTPI	19	2876131		
8	WIRE1350	6022206	22	BLU	2876131	INTPI	14	INTPI	21	2876131		
9	WIRE1351	6022206	22	BLU	2876131	INTPI	15	INTPI	17	2876131		
10	WIRE1352	6022206	22	BLU	2876131	INTPI	16	INTPI	18	2876131		
11	WIRE1353	6022206	22	BLU	2876131	INTPI	23	INTPI	25	2876131		
12	WIRE1354	6022206	22	BLU	2876131	INTPI	24	INTPI	27	2876131		
13	CA349	6060040L	22	BLK	2876131	8A20J5	1	8A4A5PI	13	E57000067		
13	CA349	6060040L	22	RED	2876131	8A20J5	6	8A4A5PI	36	E57000067		
13	CA349	6060040L	22	WHT	2876131	8A20J5	2	8A4A5PI	29	E57000067		
13	CA349	6060040L	22	GRN	2876131	8A20J5	3	8A4A5PI	37	E57000067		
13	CA349	6060040L	22	ORN	2876131	8A20J5	4	8A4A5PI	12	E57000067		
13	CA349	6060040L	22	BLU	2876131	8A20J5	5	8A4A5PI	38	E57000067		
14	CA382	E77000496	22	BLK	2876131	INTPI	26	8A4A5PI	22	E57000067		
14	CA382	E77000496	22	RED	2876131	INTPI	28	8A4A5PI	23	E57000067		
15	CA385	E77000496	22	BLK	2876131	INTPI	30	8A4A5PI	19	E57000067		
15	CA385	E77000496	22	RED	2876131	INTPI	32	8A4A5PI	20	E57000067		
16	WIRE1343	6022206	22	BLU	2876131	INTPI	25	INTPI	29	2876131		
17	WIRE1344	6022206	22	BLU	2876131	INTPI	27	INTPI	31	2876131		
△	18	CA449	6060009	22	BLK	E57000067	8A4A5PI	14	8A4A5JI_INT	2	2876055	
△	18	CA449	6060009	22	CLR	E57000067	8A4A5PI	50	8A4A5JI_INT	1	2876055	

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Gloucester, MA

SIZE: E  
SCALE: 1/1

E16465560

REV: D

SHEET 2 OF 2