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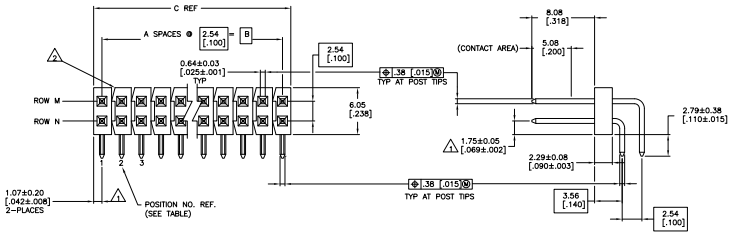
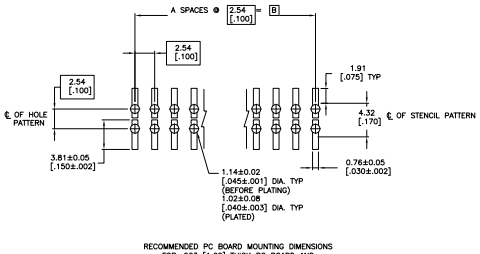
UOC	DIST
AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DRN	APVD
	C	EC 0G3C 0124 05	21MAR05	BSV	JLG
	C1	REVISED PER ECO-09-021826	26AUG09	KK	AEG





RECOMMENDED PC BOARD MOUNTING DIMENSIONS FOR .063 [1.60] THICK PC BOARD AND .012 [.305] STENCIL THICK

1. THE NOTED DIMENSIONS APPLY AT THE INTERSECTION OF THE POST AND HOUSING.
2. BREAKAWAY NOTCH ANGLE CAN BE ORIENTED TO THE RIGHT (AS SHOWN) OR TO THE LEFT
3. FOR ACTIVE POSITION SIZES 4 AND ABOVE, POSTS WILL BE SELECTIVELY SWAGED TO PROVIDE CONNECTOR RETENTION TO THE PC BOARD UNTIL SOLDERED. FOR POSITION SIZE 2, POSTS WILL BE KINKED.(SEE TABLE FOR RETENTION FEATURE LOCATION)
4. 0.000762 [.000030] GOLD ON CONTACT AREA, 0.00254-0.00508 [.000100-.000200] MATTE TIN-LEAD ON SOLDER TAIL ALL OVER 0.00127 [.000050] NICKEL.
5. HOUSING: GLASS FILLED THERMOPLASTIC, COLOR, BLACK. (WILL WITHSTAND VAPOR PHASE REFLOW.)
6. 0.000762 [.000030] GOLD ON CONTACT AREA, 0.00254-0.00508 [.000100-.000200] MATTE TIN ON SOLDER TAIL ALL OVER 0.00127 [.000050] NICKEL.
7. OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

		ROW M	ROW N	C	B	A	NO. OF POSITIONS	PART NUMBER
	PLATING	HOLD-DOWN POST CONFIG. LOCATIONS.						
	4	1,2,39,40	1,2,39,40	101.19 [3.984]	99.06 [3.900]	39	80	4-146311-0
	4	1,2,38,39	1,2,38,39	98.65 [3.884]	96.52 [3.800]	38	78	3-146311-9
	4	1,2,37,38	1,2,37,38	96.11 [3.784]	93.98 [3.700]	37	76	3-146311-8
	4	1,2,36,37	1,2,36,37	93.57 [3.684]	91.44 [3.600]	36	74	3-146311-7
	4	1,2,35,36	1,2,35,36	91.03 [3.584]	88.90 [3.500]	35	72	3-146311-6
	4	1,2,34,35	1,2,34,35	88.49 [3.484]	86.36 [3.400]	34	70	3-146311-5
	4	1,2,33,34	1,2,33,34	85.95 [3.384]	83.82 [3.300]	33	68	3-146311-4
	4	1,2,32,33	1,2,32,33	83.41 [3.284]	81.28 [3.200]	32	66	3-146311-3
	4	1,2,31,32	1,2,31,32	80.87 [3.184]	78.74 [3.100]	31	64	3-146311-2
	4	1,2,30,31	1,2,30,31	78.33 [3.084]	76.20 [3.000]	30	62	3-146311-1
OBSOLETE 7	4	1,2,29,30	1,2,29,30	75.79 [2.984]	73.66 [2.900]	29	60	3-146311-0
	4	1,2,28,29	1,2,28,29	73.25 [2.884]	71.12 [2.800]	28	58	2-146311-9
	4	1,2,27,28	1,2,27,28	70.71 [2.784]	68.58 [2.700]	27	56	2-146311-8
	4	1,2,26,27	1,2,26,27	68.17 [2.684]	66.04 [2.600]	26	54	2-146311-7
	4	1,2,25,26	1,2,25,26	65.63 [2.584]	63.5 [2.500]	25	52	2-146311-6
SUPERSEDED BY 7-146311-5	4	1,2,24,25	1,2,24,25	63.09 [2.484]	60.96 [2.400]	24	50	2-146311-5
	4	1,2,23,24	1,2,23,24	60.55 [2.384]	58.42 [2.300]	23	48	2-146311-4
OBSOLETE	4	1,2,22,23	1,2,22,23	58.01 [2.284]	55.88 [2.200]	22	46	2-146311-3
7	4	1,2,21,22	1,2,21,22	55.47 [2.184]	53.34 [2.100]	21	44	2-146311-2
	4	1,2,20,21	1,2,20,21	52.93 [2.084]	50.80 [2.000]	20	42	2-146311-1
	4	1,2,19,20	1,2,19,20	50.39 [1.984]	48.26 [1.900]	19	40	2-146311-0
	4	1,2,18,19	1,2,18,19	47.85 [1.884]	45.72 [1.800]	18	38	1-146311-9
	4	1,2,17,18	1,2,17,18	45.31 [1.784]	43.18 [1.700]	17	36	1-146311-8
	4	1,2,16,17	1,2,16,17	42.77 [1.684]	40.64 [1.600]	16	34	1-146311-7
	4	1,2,15,16	1,2,15,16	40.23 [1.584]	38.10 [1.500]	15	32	1-146311-6
OBSOLETE 7	4	1,2,14,15	1,2,14,15	37.69 [1.484]	35.56 [1.400]	14	30	1-146311-5
	4	1,2,13,14	1,2,13,14	35.15 [1.384]	33.02 [1.300]	13	28	1-146311-4
	4	1,2,12,13	1,2,12,13	32.61 [1.284]	30.48 [1.200]	12	26	1-146311-3
	4	1,2,11,12	1,2,11,12	30.07 [1.184]	27.94 [1.100]	11	24	1-146311-2
	4	1,2,10,11	1,2,10,11	27.53 [1.084]	25.40 [1.000]	10	22	1-146311-1
	4	1,2,9,10	1,2,9,10	24.99 [.984]	22.86 [.900]	9	20	1-146311-0
	4	1,2,8,9	1,2,8,9	22.45 [.884]	20.32 [.800]	8	18	146311-9
	4	1,2,7,8	1,2,7,8	19.91 [.784]	17.78 [.700]	7	16	146311-8
SUPERSEDED BY 5-146311-7	4	1,2,6,7	1,2,6,7	17.37 [.684]	15.24 [.600]	6	14	146311-7
OBSOLETE 7	4	1,2,5,6	1,2,5,6	14.83 [.584]	12.70 [.500]	5	12	146311-6
	4	1,2,4,5	1,2,4,5	12.29 [.484]	10.16 [.400]	4	10	146311-5
	4	1,2,3,4	1,2,3,4	9.75 [.384]	7.62 [.300]	3	8	146311-4
	4	1,2,3	1,2,3	7.21 [.284]	5.08 [.200]	2	6	146311-3
	4	1,2	1,2	4.67 [.184]	2.54 [.100]	1	4	146311-2
OBSOLETE	4	1	1	2.13 [.084]	— [-]	0	2	146311-1

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DRN: G. HOFFMAN 21JUN95
CHK: G. DUBIN(CZK) 12SEP96
APVD: G. DUBIN(CZK) 12SEP96

DIMENSIONS: mm [INCHES]
TOLERANCE UNLESS OTHERWISE SPECIFIED:
0 PLC ± -
1 PLC ± -
2 PLC ± 0.05[.02]
3 PLC ± 0.025 [.010]
4 PLC ± 0.13[.005]
ANGLES ± 5°
MATERIAL 5
FINISH SEE TABLE

PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

Tyco Electronics Corporation
Harrisburg, Pa 17105-3608

NAME: HEADER ASSEMBLY, MOD II, BREAKAWAY,HIGH TEMP., RIGHT ANGLE, DOUBLE ROW,.100 X.100 CL, W/.025 SQ. POSTS WITH HOLD-DOWN CONFIGURATION.

SIZE A1 CAGE CODE 00779 DRAWING NO C-146311 RESTRICTED TO —

CUSTOMER DRAWING SCALE 4:1 SHEET 1 OF 2 REV C1

AMP 4805 REV 21MR2000

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AD	00

REVISIONS

P	LTR	DESCRIPTION	DATE	DWN	APVD
	—	SEE SHEET 1	–	—	—

	6	1,2,39,40	1,2,39,40	101.19 [3.984]	99.06 [3.900]	39	80	9–146311–0
OBSOLETE	6	1,2,38,39	1,2,38,39	98.65 [3.884]	96.52 [3.800]	38	78	8–146311–9
	6	1,2,37,38	1,2,37,38	96.11 [3.784]	93.98 [3.700]	37	76	8–146311–8
	6	1,2,36,37	1,2,36,37	93.57 [3.684]	91.44 [3.600]	36	74	8–146311–7
	6	1,2,35,36	1,2,35,36	91.03 [3.584]	88.90 [3.500]	35	72	8–146311–6
	6	1,2,34,35	1,2,34,35	88.49 [3.484]	86.36 [3.400]	34	70	8–146311–5
	6	1,2,33,34	1,2,33,34	85.95 [3.384]	83.82 [3.300]	33	68	8–146311–4
	6	1,2,32,33	1,2,32,33	83.41 [3.284]	81.28 [3.200]	32	66	8–146311–3
	6	1,2,31,32	1,2,31,32	80.87 [3.184]	78.74 [3.100]	31	64	8–146311–2
	6	1,2,30,31	1,2,30,31	78.33 [3.084]	76.20 [3.000]	30	62	8–146311–1
	6	1,2,29,30	1,2,29,30	75.79 [2.984]	73.66 [2.900]	29	60	8–146311–0
	6	1,2,28,29	1,2,28,29	73.25 [2.884]	71.12 [2.800]	28	58	7–146311–9
	6	1,2,27,28	1,2,27,28	70.71 [2.784]	68.58 [2.700]	27	56	7–146311–8
	6	1,2,26,27	1,2,26,27	68.17 [2.684]	66.04 [2.600]	26	54	7–146311–7
	6	1,2,25,26	1,2,25,26	65.63 [2.584]	63.5 [2.500]	25	52	7–146311–6
	6	1,2,24,25	1,2,24,25	63.09 [2.484]	60.96 [2.400]	24	50	7–146311–5
OBSOLETE	6	1,2,23,24	1,2,23,24	60.55 [2.384]	58.42 [2.300]	23	48	7–146311–4
	6	1,2,22,23	1,2,22,23	58.01 [2.284]	55.88 [2.200]	22	46	7–146311–3
	6	1,2,21,22	1,2,21,22	55.47 [2.184]	53.34 [2.100]	21	44	7–146311–2
	6	1,2,20,21	1,2,20,21	52.93 [2.084]	50.80 [2.000]	20	42	7–146311–1
	6	1,2,19,20	1,2,19,20	50.39 [1.984]	48.26 [1.900]	19	40	7–146311–0
OBSOLETE	6	1,2,18,19	1,2,18,19	47.85 [1.884]	45.72 [1.800]	18	38	6–146311–9
	6	1,2,17,18	1,2,17,18	45.31 [1.784]	43.18 [1.700]	17	36	6–146311–8
	6	1,2,16,17	1,2,16,17	42.77 [1.684]	40.64 [1.600]	16	34	6–146311–7
	6	1,2,15,16	1,2,15,16	40.23 [1.584]	38.10 [1.500]	15	32	6–146311–6
	6	1,2,14,15	1,2,14,15	37.69 [1.484]	35.56 [1.400]	14	30	6–146311–5
	6	1,2,13,14	1,2,13,14	35.15 [1.384]	33.02 [1.300]	13	28	6–146311–4
	6	1,2,12,13	1,2,12,13	32.61 [1.284]	30.48 [1.200]	12	26	6–146311–3
	6	1,2,11,12	1,2,11,12	30.07 [1.184]	27.94 [1.100]	11	24	6–146311–2
	6	1,2,10,11	1,2,10,11	27.53 [1.084]	25.40 [1.000]	10	22	6–146311–1
	6	1,2,9,10	1,2,9,10	24.99 [.984]	22.86 [.900]	9	20	6–146311–0
	6	1,2,8,9	1,2,8,9	22.45 [.884]	20.32 [.800]	8	18	5–146311–9
OBSOLETE	6	1,2,7,8	1,2,7,8	19.91 [.784]	17.78 [.700]	7	16	5–146311–8
	6	1,2,6,7	1,2,6,7	17.37 [.684]	15.24 [.600]	6	14	5–146311–7
	6	1,2,5,6	1,2,5,6	14.83 [.584]	12.70 [.500]	5	12	5–146311–6
	6	1,2,4,5	1,2,4,5	12.29 [.484]	10.16 [.400]	4	10	5–146311–5
	6	1,2,3,4	1,2,3,4	9.75 [.384]	7.62 [.300]	3	8	5–146311–4
	6	1,2,3	1,2,3	7.21 [.284]	5.08 [.200]	2	6	5–146311–3
	6	1,2	1,2	4.67 [.184]	2.54 [.100]	1	4	5–146311–2
PLATING		ROW M / ROW N HOLD–DOWN POST CONFIG. LOCATIONS.		C	B	A	NO. OF POSITIONS	PART NUMBER

THIS DRAWING IS A CONTROLLED DOCUMENT.

DIMENSIONS: mm [INCHES]

TOLERANCE UNLESS OTHERWISE SPECIFIED:
0 PLC ± –
1 PLC ± –
2 PLC ± 0.05[.02]
3 PLC ± 0.025[.010]
4 PLC ± 0.13[.005]
ANGLES ± 5°

MATERIAL 5

FINISH SEE TABLE

TRD J. HOFFMAN 21JUN99
DRN G. DUBIN(CZK) 02OCT99
APVD G. DUBIN(CZK) 02OCT99
PRODUCT SPEC —
APPLICATION SPEC —
WEIGHT —

Tyco Electronics Corporation
Harrisburg, Pa 17105–3608

NAME HEADER ASSEMBLY, MOD II, BREAKAWAY,HIGH TEMP., RIGHT ANGLE, DOUBLE ROW,.100 X.100 CL, W/.025 SQ. POSTS WITH HOLD–DOWN CONFIGURATION.

SIZE A1 CAGE CODE 00779 DRAWING NO C–146311 RESTRICTED TO —

CUSTOMER DRAWING SCALE 4:1 SHEET 2 OF 2 REV C1

AMP 4805 REV 31MAR2000

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