



UNLESS OTHERWISE STATED:  
 ALL RESISTANCE IN OHMS  
 ALL RESISTORS 1/4W, 5%  
 ALL CAPACITANCE IN FARADS

16-May-2003  
 11:44:25

CONFIDENTIAL: THIS DOCUMENT MUST NOT BE COPIED NOR THE CONTENTS PASSED ON TO ANY THIRD PARTY WITHOUT THE CONSENT OF THE COMPANY.

ISS/REV	AMENDMENTS	ECO	DRN	CHKD	AUTH	APVD	DATE
1	A84428.1 CHANGES: PCB No WAS 19312 & ADDED U2A, U2B, U2C, U2D, U2E, U2F, U2G, U2H, U2I, U2J, U2K, U2L, U2M, U2N, U2O, U2P, U2Q, U2R, U2S, U2T, U2U, U2V, U2W, U2X, U2Y, U2Z, U2AA, U2AB, U2AC, U2AD, U2AE, U2AF, U2AG, U2AH, U2AI, U2AJ, U2AK, U2AL, U2AM, U2AN, U2AO, U2AP, U2AQ, U2AR, U2AS, U2AT, U2AU, U2AV, U2AW, U2AX, U2AY, U2AZ, U2BA, U2BB, U2BC, U2BD, U2BE, U2BF, U2BG, U2BH, U2BI, U2BJ, U2BK, U2BL, U2BM, U2BN, U2BO, U2BP, U2BQ, U2BR, U2BS, U2BT, U2BU, U2BV, U2BW, U2BX, U2BY, U2BZ, U2CA, U2CB, U2CC, U2CD, U2CE, U2CF, U2CG, U2CH, U2CI, U2CJ, U2CK, U2CL, U2CM, U2CN, U2CO, U2CP, U2CQ, U2CR, U2CS, U2CT, U2CU, U2CV, U2CW, U2CX, U2CY, U2CZ, U2DA, U2DB, U2DC, U2DD, U2DE, U2DF, U2DG, U2DH, U2DI, U2DJ, U2DK, U2DL, U2DM, U2DN, U2DO, U2DP, U2DQ, U2DR, U2DS, U2DT, U2DU, U2DV, U2DW, U2DX, U2DY, U2DZ, U2EA, U2EB, U2EC, U2ED, U2EE, U2EF, U2EG, U2EH, U2EI, U2EJ, U2EK, U2EL, U2EM, U2EN, U2EO, U2EP, U2EQ, U2ER, U2ES, U2ET, U2EU, U2EV, U2EW, U2EX, U2EY, U2EZ, U2FA, U2FB, U2FC, U2FD, U2FE, U2FF, U2FG, U2FH, U2FI, U2FJ, U2FK, U2FL, U2FM, U2FN, U2FO, U2FP, U2FQ, U2FR, U2FS, U2FT, U2FU, U2FV, U2FW, U2FX, U2FY, U2FZ, U2GA, U2GB, U2GC, U2GD, U2GE, U2GF, U2GG, U2GH, U2GI, U2GJ, U2GK, U2GL, U2GM, U2GN, U2GO, U2GP, U2GQ, U2GR, U2GS, U2GT, U2GU, U2GV, U2GW, U2GX, U2GY, U2GZ, U2HA, U2HB, U2HC, U2HD, U2HE, U2HF, U2HG, U2HH, U2HI, U2HJ, U2HK, U2HL, U2HM, U2HN, U2HO, U2HP, U2HQ, U2HR, U2HS, U2HT, U2HU, U2HV, U2HW, U2HX, U2HY, U2HZ, U2IA, U2IB, U2IC, U2ID, U2IE, U2IF, U2IG, U2IH, U2II, U2IJ, U2IK, U2IL, U2IM, U2IN, U2IO, U2IP, U2IQ, U2IR, U2IS, U2IT, U2IU, U2IV, U2IW, U2IX, U2IY, U2IZ, U2JA, U2JB, U2JC, U2JD, U2JE, U2JF, U2JG, U2JH, U2JI, U2JJ, U2JK, U2JL, U2JM, U2JN, U2JO, U2JP, U2JQ, U2JR, U2JS, U2JT, U2JU, U2JV, U2JW, U2JX, U2JY, U2JZ, U2KA, U2KB, U2KC, U2KD, U2KE, U2KF, U2KG, U2KH, U2KI, U2KJ, U2KL, U2KM, U2KN, U2KO, U2KP, U2KQ, U2KR, U2KS, U2KT, U2KU, U2KV, U2KW, U2KX, U2KY, U2KZ, U2LA, U2LB, U2LC, U2LD, U2LE, U2LF, U2LG, U2LH, U2LI, U2LJ, U2LK, U2LL, U2LM, U2LN, U2LO, U2LP, U2LQ, U2LR, U2LS, U2LT, U2LU, U2LV, U2LW, U2LX, U2LY, U2LZ, U2MA, U2MB, U2MC, U2MD, U2ME, U2MF, U2MG, U2MH, U2MI, U2MJ, U2MK, U2ML, U2MM, U2MN, U2MO, U2MP, U2MQ, U2MR, U2MS, U2MT, U2MU, U2MV, U2MW, U2MX, U2MY, U2MZ, U2NA, U2NB, U2NC, U2ND, U2NE, U2NF, U2NG, U2NH, U2NI, U2NJ, U2NK, U2NL, U2NM, U2NN, U2NO, U2NP, U2NQ, U2NR, U2NS, U2NT, U2NU, U2NV, U2NW, U2NX, U2NY, U2NZ, U2OA, U2OB, U2OC, U2OD, U2OE, U2OF, U2OG, U2OH, U2OI, U2OJ, U2OK, U2OL, U2OM, U2ON, U2OO, U2OP, U2OQ, U2OR, U2OS, U2OT, U2OU, U2OV, U2OW, U2OX, U2OY, U2OZ, U2PA, U2PB, U2PC, U2PD, U2PE, U2PF, U2PG, U2PH, U2PI, U2PJ, U2PK, U2PL, U2PM, U2PN, U2PO, U2PP, U2PQ, U2PR, U2PS, U2PT, U2PU, U2PV, U2PW, U2PX, U2PY, U2PZ, U2QA, U2QB, U2QC, U2QD, U2QE, U2QF, U2QG, U2QH, U2QI, U2QJ, U2QK, U2QL, U2QM, U2QN, U2QO, U2QP, U2QQ, U2QR, U2QS, U2QT, U2QU, U2QV, U2QW, U2QX, U2QY, U2QZ, U2RA, U2RB, U2RC, U2RD, U2RE, U2RF, U2RG, U2RH, U2RI, U2RJ, U2RK, U2RL, U2RM, U2RN, U2RO, U2RP, U2RQ, U2RR, U2RS, U2RT, U2RU, U2RV, U2RW, U2RX, U2RY, U2RZ, U2SA, U2SB, U2SC, U2SD, U2SE, U2SF, U2SG, U2SH, U2SI, U2SJ, U2SK, U2SL, U2SM, U2SN, U2SO, U2SP, U2SQ, U2SR, U2SS, U2ST, U2SU, U2SV, U2SW, U2SX, U2SY, U2SZ, U2TA, U2TB, U2TC, U2TD, U2TE, U2TF, U2TG, U2TH, U2TI, U2TJ, U2TK, U2TL, U2TM, U2TN, U2TO, U2TP, U2TQ, U2TR, U2TS, U2TT, U2TU, U2TV, U2TW, U2TX, U2TY, U2TZ, U2UA, U2UB, U2UC, U2UD, U2UE, U2UF, U2UG, U2UH, U2UI, U2UJ, U2UK, U2UL, U2UM, U2UN, U2UO, U2UP, U2UQ, U2UR, U2US, U2UT, U2UU, U2UV, U2UW, U2UX, U2UY, U2UZ, U2VA, U2VB, U2VC, U2VD, U2VE, U2VF, U2VG, U2VH, U2VI, U2VJ, U2VK, U2VL, U2VM, U2VN, U2VO, U2VP, U2VQ, U2VR, U2VS, U2VT, U2VU, U2VV, U2VW, U2VX, U2VY, U2VZ, U2WA, U2WB, U2WC, U2WD, U2WE, U2WF, U2WG, U2WH, U2WI, U2WJ, U2WK, U2WL, U2WM, U2WN, U2WO, U2WP, U2WQ, U2WR, U2WS, U2WT, U2WU, U2WV, U2WW, U2WX, U2WY, U2WZ, U2XA, U2XB, U2XC, U2XD, U2XE, U2XF, U2XG, U2XH, U2XI, U2XJ, U2XK, U2XL, U2XM, U2XN, U2XO, U2XP, U2XQ, U2XR, U2XS, U2XT, U2XU, U2XV, U2XW, U2XX, U2XY, U2XZ, U2YA, U2YB, U2YC, U2YD, U2YE, U2YF, U2YG, U2YH, U2YI, U2YJ, U2YK, U2YL, U2YM, U2YN, U2YO, U2YP, U2YQ, U2YR, U2YS, U2YT, U2YU, U2YV, U2YW, U2YX, U2YY, U2YZ, U2ZA, U2ZB, U2ZC, U2ZD, U2ZE, U2ZF, U2ZG, U2ZH, U2ZI, U2ZJ, U2ZK, U2ZL, U2ZM, U2ZN, U2ZO, U2ZP, U2ZQ, U2ZR, U2ZS, U2ZT, U2ZU, U2ZV, U2ZW, U2ZX, U2ZY, U2ZZ						

**tyco**  
 Safety  
 Products  
 211 MACES RD,  
 P.O. BOX 19-545, FAX: +64 3 389-5938  
 CHRISTCHURCH 8006, NEW ZEALAND

**F3200**  
**AS4428.1 CONTROLLER BOARD**  
**CIRCUIT DIAGRAM**

DRAWING No: 1931-111 SHEET 2 of 2

A1 ISS/REV 5 PART No: SEE SHT 1