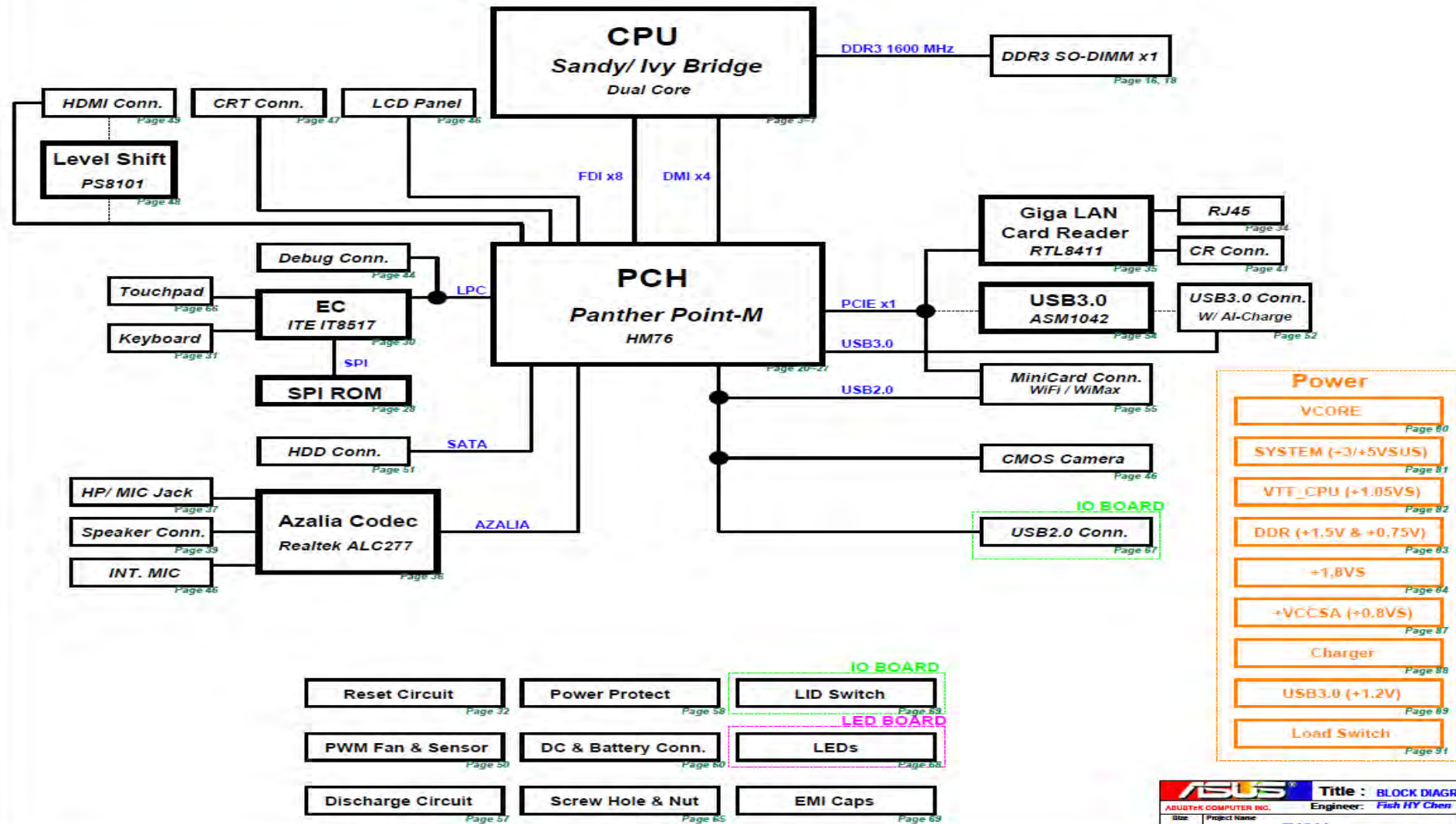


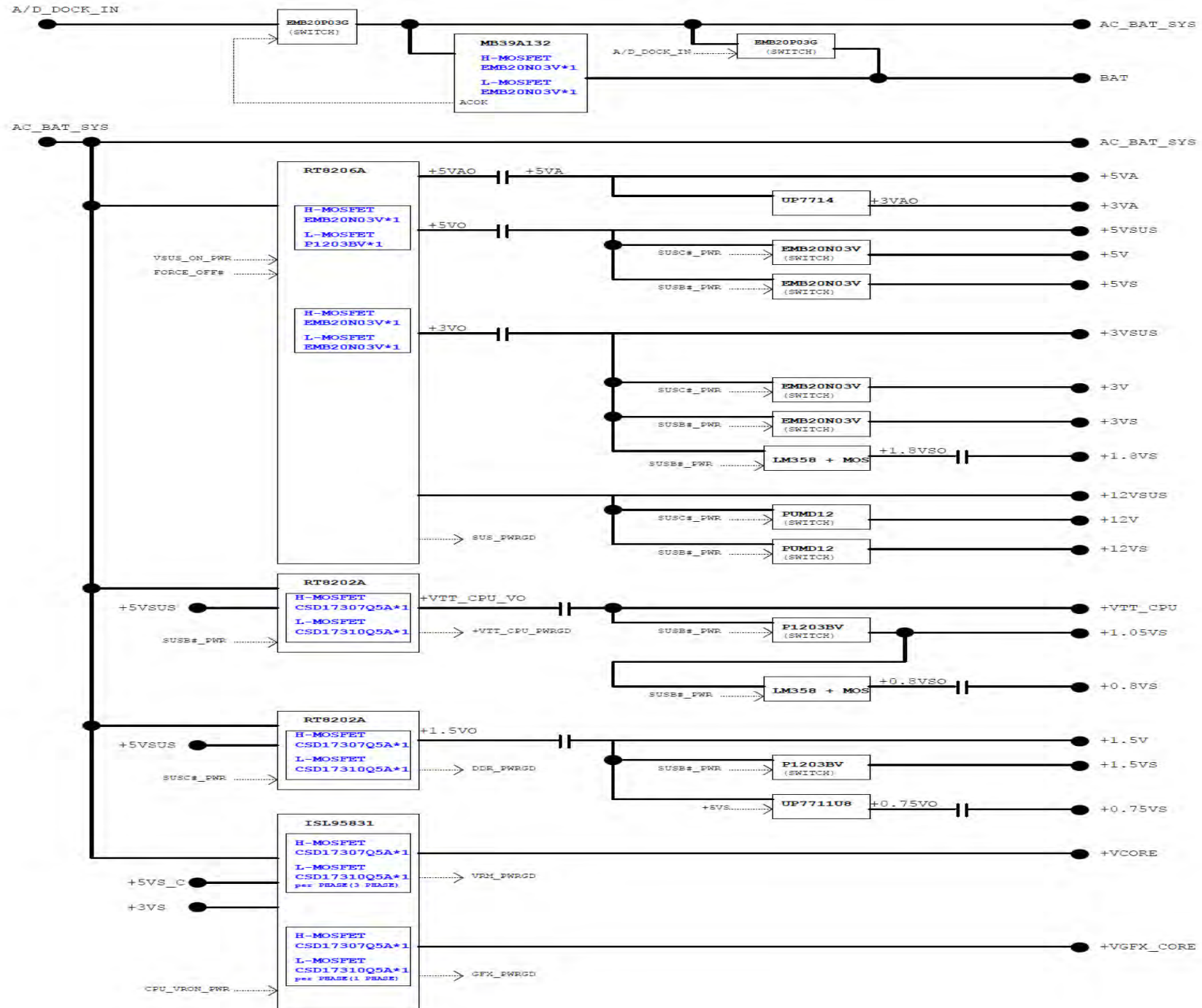
X401A Repair Guide

X401A BLOCK DIAGRAM

Rev: 2.0

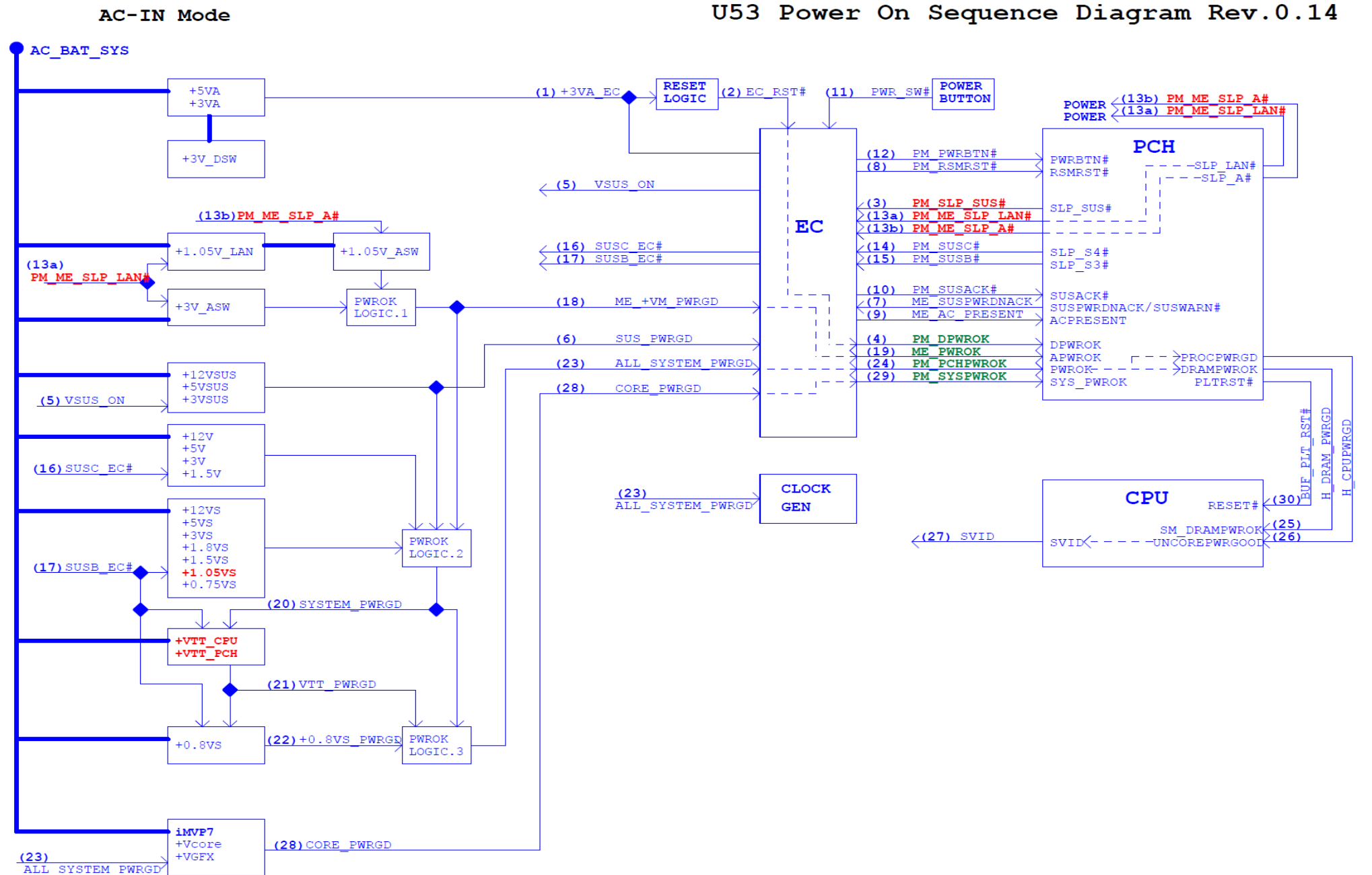


POWER FLOW



POWER ON SEQUENCE

U53 Power On Sequence Diagram Rev.0.14



The diagram illustrates the power management IC (PMIC) and its connections to various power rails and components. Key components and connections include:

- PMIC (J4601):** The central power management IC, shown in a detailed block diagram.
- Power Rails and Connections:**
 - H_CUPWPGD:** Host CPU Power Good signal, connected to the PMIC.
 - H_DRAM_PWRGD:** Host DRAM Power Good signal, connected to the PMIC.
 - ME_PWRGD:** Memory Express Power Good signal, connected to the PMIC.
 - SLP_PWRGD:** Sleep Power Good signal, connected to the PMIC.
 - SYSTEM_PWRGD:** System Power Good signal, connected to the PMIC.
 - 3VSUS_ON:** 3V Standby On signal, connected to the PMIC.
- Other Components:**
 - Capacitors:** Various capacitors (e.g., C6805, C6806, C6807, C6808, C6809, C6810, C6811, C6812, C6813, C6814, C6815, C6816, C6817, C6818, C6819, C6820, C6821, C6822, C6823, C6824, C6825, C6826, C6827, C6828, C6829, C6830, C6831, C6832, C6833, C6834, C6835, C6836, C6837, C6838, C6839, C6840, C6841, C6842, C6843, C6844, C6845, C6846, C6847, C6848, C6849, C6850, C6851, C6852, C6853, C6854, C6855, C6856, C6857, C6858, C6859, C6860, C6861, C6862, C6863, C6864, C6865, C6866, C6867, C6868, C6869, C6870, C6871, C6872, C6873, C6874, C6875, C6876, C6877, C6878, C6879, C6880, C6881, C6882, C6883, C6884, C6885, C6886, C6887, C6888, C6889, C6890, C6891, C6892, C6893, C6894, C6895, C6896, C6897, C6898, C6899, C6900, C6901, C6902, C6903, C6904, C6905, C6906, C6907, C6908, C6909, C6910, C6911, C6912, C6913, C6914, C6915, C6916, C6917, C6918, C6919, C6920, C6921, C6922, C6923, C6924, C6925, C6926, C6927, C6928, C6929, C6930, C6931, C6932, C6933, C6934, C6935, C6936, C6937, C6938, C6939, C6940, C6941, C6942, C6943, C6944, C6945, C6946, C6947, C6948, C6949, C6950, C6951, C6952, C6953, C6954, C6955, C6956, C6957, C6958, C6959, C6960, C6961, C6962, C6963, C6964, C6965, C6966, C6967, C6968, C6969, C6970, C6971, C6972, C6973, C6974, C6975, C6976, C6977, C6978, C6979, C6980, C6981, C6982, C6983, C6984, C6985, C6986, C6987, C6988, C6989, C6990, C6991, C6992, C6993, C6994, C6995, C6996, C6997, C6998, C6999, C7000, C7001, C7002, C7003, C7004, C7005, C7006, C7007, C7008, C7009, C7010, C7011, C7012, C7013, C7014, C7015, C7016, C7017, C7018, C7019, C7020, C7021, C7022, C7023, C7024, C7025, C7026, C7027, C7028, C7029, C7030, C7031, C7032, C7033, C7034, C7035, C7036, C7037, C7038, C7039, C7040, C7041, C7042, C7043, C7044, C7045, C7046, C7047, C7048, C7049, C7050, C7051, C7052, C7053, C7054, C7055, C7056, C7057, C7058, C7059, C7060, C7061, C7062, C7063, C7064, C7065, C7066, C7067, C7068, C7069, C7070, C7071, C7072, C7073, C7074, C7075, C7076, C7077, C7078, C7079, C7080, C7081, C7082, C7083, C7084, C7085, C7086, C7087, C7088, C7089, C7090, C7091, C7092, C7093, C7094, C7095, C7096, C7097, C7098, C7099, C7100, C7101, C7102, C7103, C7104, C7105, C7106, C7107, C7108, C7109, C7110, C7111, C7112, C7113, C7114, C7115, C7116, C7117, C7118, C7119, C7120, C7121, C7122, C7123, C7124, C7125, C7126, C7127, C7128, C7129, C7130, C7131, C7132, C7133, C7134, C7135, C7136, C7137, C7138, C7139, C7140, C7141, C7142, C7143, C7144, C7145, C7146, C7147, C7148, C7149, C7150, C7151, C7152, C7153, C7154, C7155, C7156, C7157, C7158, C7159, C7160, C7161, C7162, C7163, C7164, C7165, C7166, C7167, C7168, C7169, C7170, C7171, C7172, C7173, C7174, C7175, C7176, C7177, C7178, C7179, C7180, C7181, C7182, C7183, C7184, C7185, C7186, C7187, C7188, C7189, C7190, C7191, C7192, C7193, C7194, C7195, C7196, C7197, C7198, C7199, C7200, C7201, C7202, C7203, C7204, C7205, C7206, C7207, C7208, C7209, C7210, C7211, C7212, C7213, C7214, C7215, C7216, C7217, C7218, C7219, C7220, C7221, C7222, C7223, C7224, C7225, C7226, C7227, C7228, C7229, C7230, C7231, C7232, C7233, C7234, C7235, C7236, C7237, C7238, C7239, C7240, C7241, C7242, C7243, C7244, C7245, C7246, C7247, C7248, C7249, C7250, C7251, C7252, C7253, C7254, C7255, C7256, C7257, C7258, C7259, C7260, C7261, C7262, C7263, C7264, C7265, C7266, C7267, C7268, C7269, C7270, C7271, C7272, C7273, C7274, C7275, C7276, C7277, C7278, C7279, C7280, C7281, C7282, C7283, C7284, C7285, C7286, C7287, C7288, C7289, C7290, C7291, C7292, C7293, C7294, C7295, C7296, C7297, C7298, C7299, C7300, C7301, C7302, C7303, C7304, C7305, C7306, C7307, C7308, C7309, C7310, C7311, C7312, C7313, C7314, C7315, C7316, C7317, C7318, C7319, C7320, C7321, C7322, C7323, C7324, C7325, C7326, C7327, C7328, C7329, C7330, C7331, C7332, C7333, C7334, C7335, C7336, C7337, C7338, C7339, C7340, C7341, C7342, C7343, C7344, C7345, C7346, C7347, C7348, C7349, C7350, C7351, C7352, C7353, C7354, C7355, C7356, C7357, C7358, C7359, C7360, C7361, C7362, C7363, C7364, C7365, C7366, C7367, C7368, C7369, C7370, C7371, C7372, C7373, C7374, C7375, C7376, C7377, C7378, C7379, C7380, C7381, C7382, C7383, C7384, C7385, C7386, C7387, C7388, C7389, C7390, C7391, C7392, C7393, C7394, C7395, C7396, C7397, C7398, C7399, C7400, C7401, C7402, C7403, C7404, C7405, C7406, C7407, C7408, C7409, C7410, C7411, C7412, C7413, C7414, C7415, C7416, C7417, C7418, C7419, C7420, C7421, C7422, C742

Voltage & Signal Measure Point Bottom

