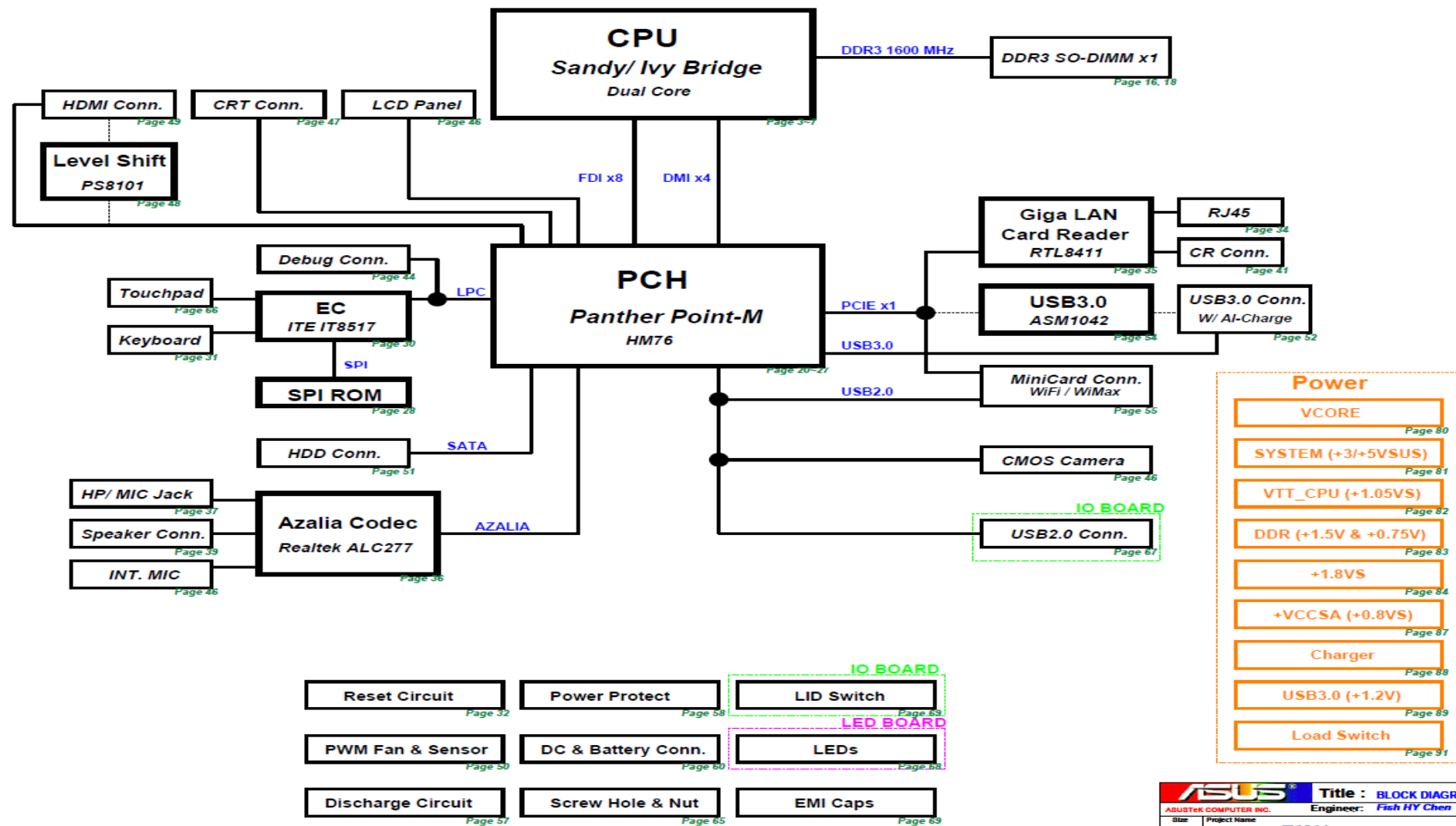


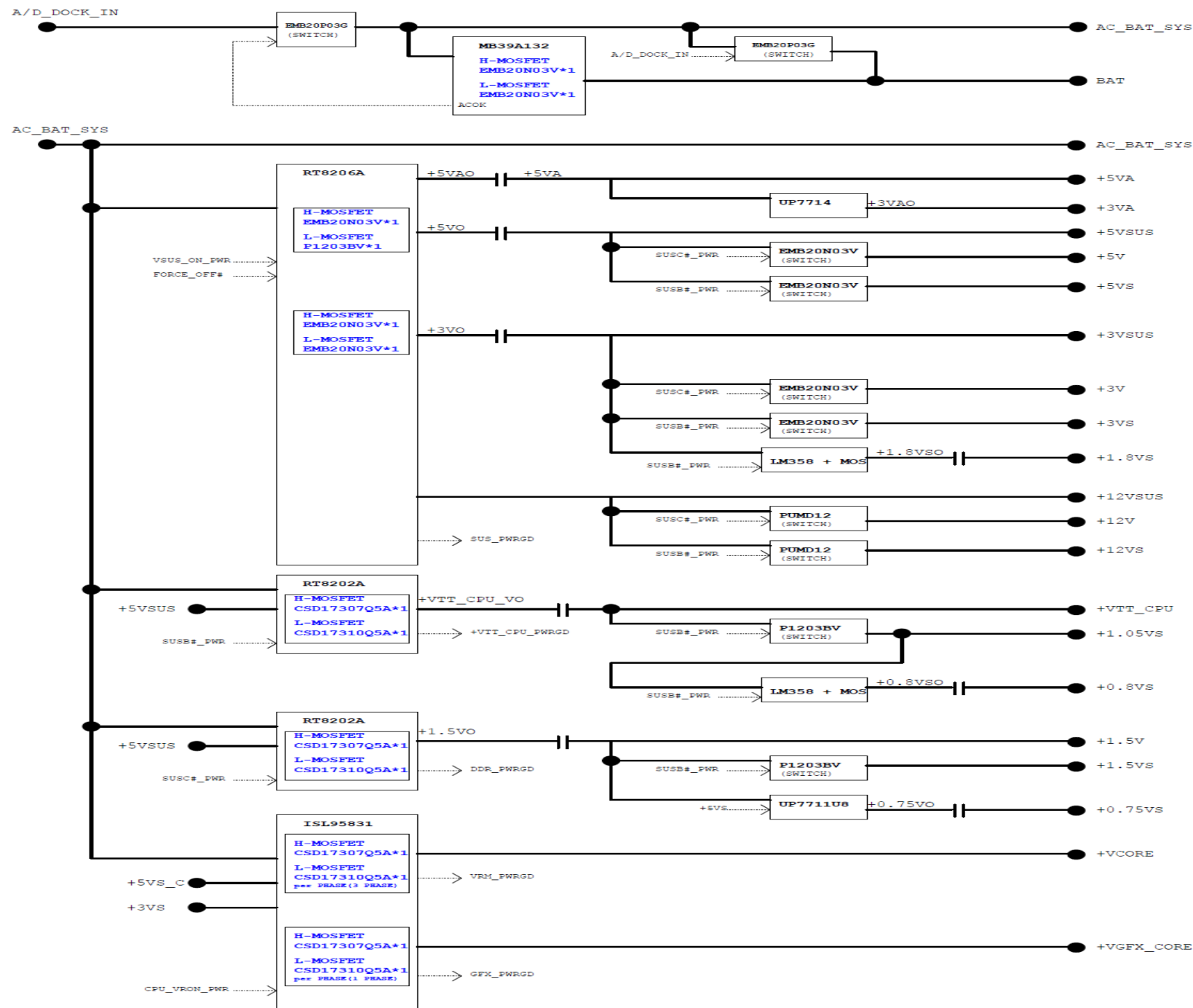
X401A Repair Guide

X401A BLOCK DIAGRAM

Rev: 2.0

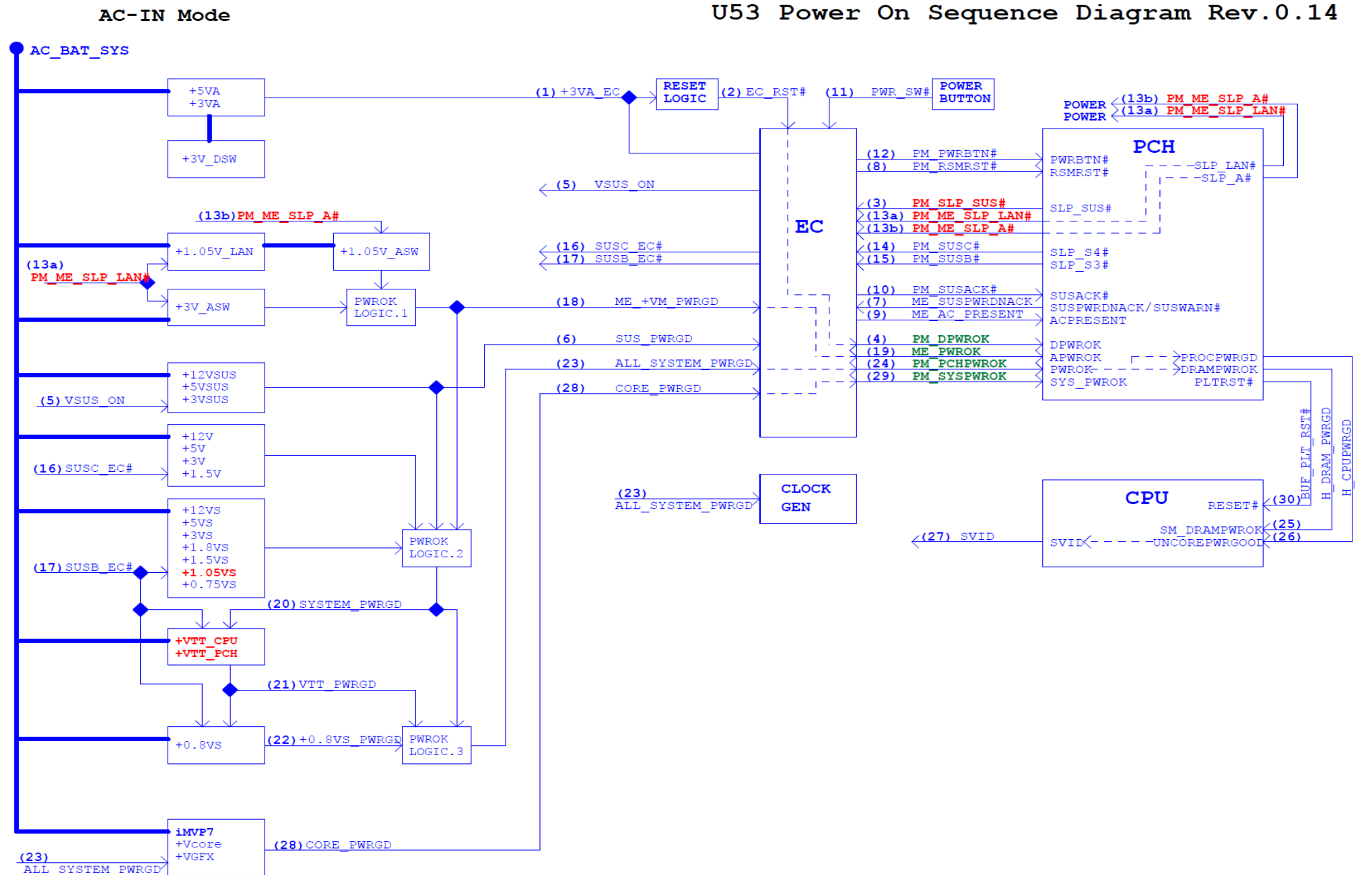


POWER FLOW



POWER ON SEQUENCE

U53 Power On Sequence Diagram Rev.0.14



The diagram illustrates the power management architecture of a system, centered around a PMIC. Key power rails and their associated components are labeled as follows:

- CPU Power:**
 - C0307 H_CPU_PWRGD:** High CPU Power Good signal.
 - R0338 H_DRAM_PWRGD:** High DRAM Power Good signal.
- SLP (Sleep) Power:**
 - T2207 PM_SLP_STS:** PM Sleep Status.
 - T2210 SLP_EN:** Sleep Enable.
 - T2206 SLP_A#_R:** Sleep Active Low Reset.
- ME (Management Engine) Power:**
 - T2215 ME_PWRON_PCH:** ME Power On PCH.
- PM (Power Management) Power:**
 - R2239 PM_PWRON:** PM Power On.
 - R2217 PM_SYS_PWRON:** PM System Power On.
- System Power:**
 - D2201 ALL_SYSTEM_PWRGD:** All System Power Good.
- Other Components:**
 - P09109 3VSUS_ON:** 3V Standby On signal.
 - C5605 SLP:** Sleep capacitor.
 - J6801, J6802, J6803, J6804, J6805, J6806, J6807, J6808, J6809, J6810, J6811, J6812, J6813, J6814, J6815, J6816, J6817, J6818, J6819, J6820, J6821, J6822, J6823, J6824, J6825, J6826, J6827, J6828, J6829, J6830, J6831, J6832, J6833, J6834, J6835, J6836, J6837, J6838, J6839, J6840, J6841, J6842, J6843, J6844, J6845, J6846, J6847, J6848, J6849, J6850, J6851, J6852, J6853, J6854, J6855, J6856, J6857, J6858, J6859, J6860, J6861, J6862, J6863, J6864, J6865, J6866, J6867, J6868, J6869, J6870, J6871, J6872, J6873, J6874, J6875, J6876, J6877, J6878, J6879, J6880, J6881, J6882, J6883, J6884, J6885, J6886, J6887, J6888, J6889, J6890, J6891, J6892, J6893, J6894, J6895, J6896, J6897, J6898, J6899, J6900, J6901, J6902, J6903, J6904, J6905, J6906, J6907, J6908, J6909, J6910, J6911, J6912, J6913, J6914, J6915, J6916, J6917, J6918, J6919, J6920, J6921, J6922, J6923, J6924, J6925, J6926, J6927, J6928, J6929, J6930, J6931, J6932, J6933, J6934, J6935, J6936, J6937, J6938, J6939, J6940, J6941, J6942, J6943, J6944, J6945, J6946, J6947, J6948, J6949, J6950, J6951, J6952, J6953, J6954, J6955, J6956, J6957, J6958, J6959, J6960, J6961, J6962, J6963, J6964, J6965, J6966, J6967, J6968, J6969, J6970, J6971, J6972, J6973, J6974, J6975, J6976, J6977, J6978, J6979, J6980, J6981, J6982, J6983, J6984, J6985, J6986, J6987, J6988, J6989, J6990, J6991, J6992, J6993, J6994, J6995, J6996, J6997, J6998, J6999, J7000, J7001, J7002, J7003, J7004, J7005, J7006, J7007, J7008, J7009, J7010, J7011, J7012, J7013, J7014, J7015, J7016, J7017, J7018, J7019, J7020, J7021, J7022, J7023, J7024, J7025, J7026, J7027, J7028, J7029, J7030, J7031, J7032, J7033, J7034, J7035, J7036, J7037, J7038, J7039, J7040, J7041, J7042, J7043, J7044, J7045, J7046, J7047, J7048, J7049, J7050, J7051, J7052, J7053, J7054, J7055, J7056, J7057, J7058, J7059, J7060, J7061, J7062, J7063, J7064, J7065, J7066, J7067, J7068, J7069, J7070, J7071, J7072, J7073, J7074, J7075, J7076, J7077, J7078, J7079, J7080, J7081, J7082, J7083, J7084, J7085, J7086, J7087, J7088, J7089, J7090, J7091, J7092, J7093, J7094, J7095, J7096, J7097, J7098, J7099, J7100, J7101, J7102, J7103, J7104, J7105, J7106, J7107, J7108, J7109, J7110, J7111, J7112, J7113, J7114, J7115, J7116, J7117, J7118, J7119, J7120, J7121, J7122, J7123, J7124, J7125, J7126, J7127, J7128, J7129, J7130, J7131, J7132, J7133, J7134, J7135, J7136, J7137, J7138, J7139, J7140, J7141, J7142, J7143, J7144, J7145, J7146, J7147, J7148, J7149, J7150, J7151, J7152, J7153, J7154, J7155, J7156, J7157, J7158, J7159, J7160, J7161, J7162, J7163, J7164, J7165, J7166, J7167, J7168, J7169, J7170, J7171, J7172, J7173, J7174, J7175, J7176, J7177, J7178, J7179, J7180, J7181, J7182, J7183, J7184, J7185, J7186, J7187, J7188, J7189, J7190, J7191, J7192, J7193, J7194, J7195, J7196, J7197, J7198, J7199, J7200, J7201, J7202, J7203, J7204, J7205, J7206, J7207, J7208, J7209, J7210, J7211, J7212, J7213, J7214, J7215, J7216, J7217, J7218, J7219, J7220, J7221, J7222, J7223, J7224, J7225, J7226, J7227, J7228, J7229, J7230, J7231, J7232, J7233, J7234, J7235, J7236, J7237, J7238, J7239, J7240, J7241, J7242, J7243, J7244, J7245, J7246, J7247, J7248, J7249, J7250, J7251, J7252, J7253, J7254, J7255, J7256, J7257, J7258, J7259, J7260, J7261, J7262, J7263, J7264, J7265, J7266, J7267, J7268, J7269, J7270, J7271, J7272, J7273, J7274, J7275, J7276, J7277, J7278, J7279, J7280, J7281, J7282, J7283, J7284, J7285, J7286, J7287, J7288, J7289, J7290, J7291, J7292, J7293, J7294, J7295, J7296, J7297, J7298, J7299, J7300, J7301, J7302, J7303, J7304, J7305, J7306, J7307, J7308, J7309, J7310, J7311, J7312, J7313, J7314, J7315, J7316, J7317, J7318, J7319, J7320, J7321, J7322, J7323, J7324, J7325, J7326, J7327, J7328, J7329, J7330, J7331, J7332, J7333, J7334, J7335, J7336, J7337, J7338, J7339, J7340, J7341, J7342, J7343, J7344, J7345, J7346, J7347, J7348, J7349, J7350, J7351, J7352, J7353, J7354, J7355, J7356, J7357, J7358, J7359, J7360, J7361, J7362, J7363, J7364, J7365, J7366, J7367, J7368, J7369, J7370, J7371, J7372, J7373, J7374, J7375, J7376, J7377, J7378, J7379, J7380, J7381, J7382, J7383, J7384, J7385, J7386, J7387, J7388, J7389, J7390, J7391, J7392, J7393, J739**

Voltage & Signal Measure Point Bottom

