

Microcontroller Circuit

Emergency, Main Switch

LEDs

Voltage measure

Power Supply Connectors

LOGOs

Relay, Current measure and Check Power Out

Power Drop Out Regulators

Isolation ADC

Functions

Emergency Signal From Main Controll Circuit's I/O

USER LEDs, Switches

Control Voltage Supply

Microcontroller (U2) Pin List:

- PA0, PA1, PA2, PA3, PA4, PA5, PA6, PA7, PA8, PA9, PA10, PA11, PA12, PA13, PA14, PA15, PA16, PA17, PA18, PA19, PA20, PA21, PA22, PA23, PA24, PA25, PA26, PA27, PA28, PA29, PA30, PA31, PA32, PA33, PA34, PA35, PA36, PA37, PA38, PA39, PA40, PA41, PA42, PA43, PA44, PA45, PA46, PA47, PA48, PA49, PA50, PA51, PA52, PA53, PA54, PA55, PA56, PA57, PA58, PA59, PA60, PA61, PA62, PA63, PA64, PA65, PA66, PA67, PA68, PA69, PA70, PA71, PA72, PA73, PA74, PA75, PA76, PA77, PA78, PA79, PA80, PA81, PA82, PA83, PA84, PA85, PA86, PA87, PA88, PA89, PA90, PA91, PA92, PA93, PA94, PA95, PA96, PA97, PA98, PA99, PA100, PA101, PA102, PA103, PA104, PA105, PA106, PA107, PA108, PA109, PA110, PA111, PA112, PA113, PA114, PA115, PA116, PA117, PA118, PA119, PA120, PA121, PA122, PA123, PA124, PA125, PA126, PA127, PA128, PA129, PA130, PA131, PA132, PA133, PA134, PA135, PA136, PA137, PA138, PA139, PA140, PA141, PA142, PA143, PA144, PA145, PA146, PA147, PA148, PA149, PA150, PA151, PA152, PA153, PA154, PA155, PA156, PA157, PA158, PA159, PA160, PA161, PA162, PA163, PA164, PA165, PA166, PA167, PA168, PA169, PA170, PA171, PA172, PA173, PA174, PA175, PA176, PA177, PA178, PA179, PA180, PA181, PA182, PA183, PA184, PA185, PA186, PA187, PA188, PA189, PA190, PA191, PA192, PA193, PA194, PA195, PA196, PA197, PA198, PA199, PA200, PA201, PA202, PA203, PA204, PA205, PA206, PA207, PA208, PA209, PA210, PA211, PA212, PA213, PA214, PA215, PA216, PA217, PA218, PA219, PA220, PA221, PA222, PA223, PA224, PA225, PA226, PA227, PA228, PA229, PA230, PA231, PA232, PA233, PA234, PA235, PA236, PA237, PA238, PA239, PA240, PA241, PA242, PA243, PA244, PA245, PA246, PA247, PA248, PA249, PA250, PA251, PA252, PA253, PA254, PA255, PA256, PA257, PA258, PA259, PA260, PA261, PA262, PA263, PA264, PA265, PA266, PA267, PA268, PA269, PA270, PA271, PA272, PA273, PA274, PA275, PA276, PA277, PA278, PA279, PA280, PA281, PA282, PA283, PA284, PA285, PA286, PA287, PA288, PA289, PA290, PA291, PA292, PA293, PA294, PA295, PA296, PA297, PA298, PA299, PA300, PA301, PA302, PA303, PA304, PA305, PA306, PA307, PA308, PA309, PA310, PA311, PA312, PA313, PA314, PA315, PA316, PA317, PA318, PA319, PA320, PA321, PA322, PA323, PA324, PA325, PA326, PA327, PA328, PA329, PA330, PA331, PA332, PA333, PA334, PA335, PA336, PA337, PA338, PA339, PA340, PA341, PA342, PA343, PA344, PA345, PA346, PA347, PA348, PA349, PA350, PA351, PA352, PA353, PA354, PA355, PA356, PA357, PA358, PA359, PA360, PA361, PA362, PA363, PA364, PA365, PA366, PA367, PA368, PA369, PA370, PA371, PA372, PA373, PA374, PA375, PA376, PA377, PA378, PA379, PA380, PA381, PA382, PA383, PA384, PA385, PA386, PA387, PA388, PA389, PA390, PA391, PA392, PA393, PA394, PA395, PA396, PA397, PA398, PA399, PA400, PA401, PA402, PA403, PA404, PA405, PA406, PA407, PA408, PA409, PA410, PA411, PA412, PA413, PA414, PA415, PA416, PA417, PA418, PA419, PA420, PA421, PA422, PA423, PA424, PA425, PA426, PA427, PA428, PA429, PA430, PA431, PA432, PA433, PA434, PA435, PA436, PA437, PA438, PA439, PA440, PA441, PA442, PA443, PA444, PA445, PA446, PA447, PA448, PA449, PA450, PA451, PA452, PA453, PA454, PA455, PA456, PA457, PA458, PA459, PA460, PA461, PA462, PA463, PA464, PA465, PA466, PA467, PA468, PA469, PA470, PA471, PA472, PA473, PA474, PA475, PA476, PA477, PA478, PA479, PA480, PA481, PA482, PA483, PA484, PA485, PA486, PA487, PA488, PA489, PA490, PA491, PA492, PA493, PA494, PA495, PA496, PA497, PA498, PA499, PA500, PA501, PA502, PA503, PA504, PA505, PA506, PA507, PA508, PA509, PA510, PA511, PA512, PA513, PA514, PA515, PA516, PA517, PA518, PA519, PA520, PA521, PA522, PA523, PA524, PA525, PA526, PA527, PA5

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