

3.3V POWER INPUT

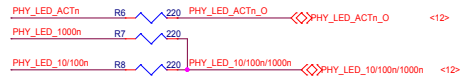
The schematic shows the power and signal connections for the AR8031-AL1A. The power section includes the 3.3V input (V3_3D) connected to VETH_AVDD0_3_3 through a 600mF100nm capacitor (FB16). The signal section shows various I/O pins connected to external components like resistors, capacitors, and a microcontroller (U23).

Power Section:

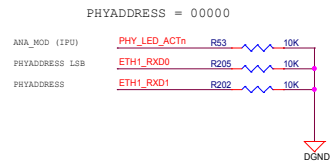
- V3_3D is connected to VETH_AVDD0_3_3 through a 600mF100nm capacitor (FB16).
- VETH_AVDD0_3_3 is connected to VDD_LPHY through a 600mF100nm capacitor (FB17).
- VDD_LPHY is connected to VETH_LX through a 4.7uH inductor (L5).
- VETH_LX is connected to VETH_AVDD0_3_3 through a 4.7uH inductor (L5).
- VETH_AVDD0_3_3 is connected to VETH_LPHY through a 4.7uH inductor (L5).
- VETH_LPHY is connected to VETH_VDDIO through a 4.7uH inductor (L5).
- VETH_VDDIO is connected to VETH_VDDIO through a 4.7uH inductor (L5).

Signal Section:

- U23 (Microcontroller) is connected to various pins:
 - TXD0, TXD1, TXD2, TXD3, TXD4, TXD5, TXD6, TXD7, TXD8, TXD9, TXD10, TXD11, TXD12, TXD13, TXD14, TXD15, TXD16, TXD17, TXD18, TXD19, TXD20, TXD21, TXD22, TXD23, TXD24, TXD25, TXD26, TXD27, TXD28, TXD29, TXD30, TXD31, TXD32, TXD33, TXD34, TXD35, TXD36, TXD37, TXD38, TXD39, TXD40, TXD41, TXD42, TXD43, TXD44, TXD45, TXD46, TXD47, TXD48, TXD49, TXD50, TXD51, TXD52, TXD53, TXD54, TXD55, TXD56, TXD57, TXD58, TXD59, TXD60, TXD61, TXD62, TXD63, TXD64, TXD65, TXD66, TXD67, TXD68, TXD69, TXD70, TXD71, TXD72, TXD73, TXD74, TXD75, TXD76, TXD77, TXD78, TXD79, TXD80, TXD81, TXD82, TXD83, TXD84, TXD85, TXD86, TXD87, TXD88, TXD89, TXD90, TXD91, TXD92, TXD93, TXD94, TXD95, TXD96, TXD97, TXD98, TXD99, TXD100, TXD101, TXD102, TXD103, TXD104, TXD105, TXD106, TXD107, TXD108, TXD109, TXD110, TXD111, TXD112, TXD113, TXD114, TXD115, TXD116, TXD117, TXD118, TXD119, TXD120, TXD121, TXD122, TXD123, TXD124, TXD125, TXD126, TXD127, TXD128, TXD129, TXD130, TXD131, TXD132, TXD133, TXD134, TXD135, TXD136, TXD137, TXD138, TXD139, TXD140, TXD141, TXD142, TXD143, TXD144, TXD145, TXD146, TXD147, TXD148, TXD149, TXD150, TXD151, TXD152, TXD153, TXD154, TXD155, TXD156, TXD157, TXD158, TXD159, TXD160, TXD161, TXD162, TXD163, TXD164, TXD165, TXD166, TXD167, TXD168, TXD169, TXD170, TXD171, TXD172, TXD173, TXD174, TXD175, TXD176, TXD177, TXD178, TXD179, TXD180, TXD181, TXD182, TXD183, TXD184, TXD185, TXD186, TXD187, TXD188, TXD189, TXD190, TXD191, TXD192, TXD193, TXD194, TXD195, TXD196, TXD197, TXD198, TXD199, TXD200, TXD201, TXD202, TXD203, TXD204, TXD205, TXD206, TXD207, TXD208, TXD209, TXD210, TXD211, TXD212, TXD213, TXD214, TXD215, TXD216, TXD217, TXD218, TXD219, TXD220, TXD221, TXD222, TXD223, TXD224, TXD225, TXD226, TXD227, TXD228, TXD229, TXD230, TXD231, TXD232, TXD233, TXD234, TXD235, TXD236, TXD237, TXD238, TXD239, TXD240, TXD241, TXD242, TXD243, TXD244, TXD245, TXD246, TXD247, TXD248, TXD249, TXD250, TXD251, TXD252, TXD253, TXD254, TXD255, TXD256, TXD257, TXD258, TXD259, TXD260, TXD261, TXD262, TXD263, TXD264, TXD265, TXD266, TXD267, TXD268, TXD269, TXD270, TXD271, TXD272, TXD273, TXD274, TXD275, TXD276, TXD277, TXD278, TXD279, TXD280, TXD281, TXD282, TXD283, TXD284, TXD285, TXD286, TXD287, TXD288, TXD289, TXD290, TXD291, TXD292, TXD293, TXD294, TXD295, TXD296, TXD297, TXD298, TXD299, TXD300, TXD301, TXD302, TXD303, TXD304, TXD305, TXD306, TXD307, TXD308, TXD309, TXD310, TXD311, TXD312, TXD313, TXD314, TXD315, TXD316, TXD317, TXD318, TXD319, TXD320, TXD321, TXD322, TXD323, TXD324, TXD325, TXD326, TXD327, TXD328, TXD329, TXD330, TXD331, TXD332, TXD333, TXD334, TXD335, TXD336, TXD337, TXD338, TXD339, TXD340, TXD341, TXD342, TXD343, TXD344, TXD345, TXD346, TXD347, TXD348, TXD349, TXD350, TXD351, TXD352, TXD353, TXD354, TXD355, TXD356, TXD357, TXD358, TXD359, TXD360, TXD361, TXD362, TXD363, TXD364, TXD365, TXD366, TXD367, TXD368, TXD369, TXD370, TXD371, TXD372, TXD373, TXD374, TXD375, TXD376, TXD377, TXD378, TXD379, TXD380, TXD381, TXD382, TXD383, TXD384, TXD385, TXD386, TXD387, TXD388, TXD389, TXD390, TXD391, TXD392, TXD393, TXD394, TXD395, TXD396, TXD397, TXD398, TXD399, TXD400, TXD401, TXD402, TXD403, TXD404, TXD405, TXD406, TXD407, TXD408, TXD409, TXD410, TXD411, TXD412, TXD413, TXD414, TXD415, TXD416, TXD417, TXD418, TXD419, TXD420, TXD421, TXD422, TXD423, TXD424, TXD425, TXD426, TXD427, TXD428, TXD429, TXD430, TXD431, TXD432, TXD433, TXD434, TXD435, TXD436, TXD437, TXD438, TXD439, TXD440, TXD441, TXD442, TXD443, TXD444, TXD445, TXD446, TXD447, TXD448, TXD449, TXD450, TXD451, TXD452, TXD453, TXD454, TXD455, TXD456, TXD457, TXD458, TXD459, TXD460, TXD461, TXD462, TXD463, TXD464, TXD465, TXD466, TXD467, TXD468, TXD469, TXD470, TXD471, TXD472, TXD473, TXD474, TXD475, TXD476, TXD477, TXD478, TXD479, TXD480, TXD481, TXD482, TXD483, TXD484, TXD485, TXD486, TXD487, TXD488, TXD489, TXD490, TXD491, TXD492, TXD493, TXD494, TXD495, TXD496, TXD497, TXD498, TXD499, TXD500, TXD501, TXD502, TXD503, TXD504, TXD505, TXD506, TXD507, TXD508, TXD509, TXD510, TXD511, TXD512, TXD513, TXD514, TXD515, TXD516, TXD517, TXD518, TXD519, TXD520, TXD521, TXD522, TXD523, TXD524, TXD525, TXD526, TXD527, TXD528, TXD529, TXD530, TXD531, TXD532, TXD533, TXD534, TXD535, TXD536, TXD537, TXD538, TXD539, TXD540, TXD541, TXD542, TXD543, TXD544, TXD545, TXD546, TXD547, TXD548, TXD549, TXD550, TXD551, TXD552, TXD553, TXD554, TXD555, TXD556, TXD557, TXD558, TXD559, TXD560, TXD561, TXD562, TXD563, TXD564, TXD565, TXD566, TXD567, TXD568, TXD569, TXD570, TXD571, TXD572, TXD573, TXD574, TXD575, TXD576, TXD577, TXD578, TXD579, TXD580, TXD581, TXD582, TXD583, TXD584, TXD585, TXD586, TXD587, TXD588, TXD589, TXD590, TXD591, TXD592, TXD593, TXD594, TXD595, TXD596, TXD597, TXD598, TXD599, TXD600, TXD601, TXD602, TXD603, TXD604, TXD605, TXD606, TXD607, TXD608, TXD609, TXD610, TXD611, TXD612, TXD613, TXD614, TXD615, TXD616, TXD617



Reset



MODE2[0]	ETH1_RXDV	R207	10K
MODE2[1]	ETH1_RXD2	R68	10K
MODE2[2]	ETH1_RXCLK	R209	10K
MODE2[3]	ETH1_RXD3	R70	10K
SEL_GPIO_INT	PHY_LED_1000n	R60	10K

