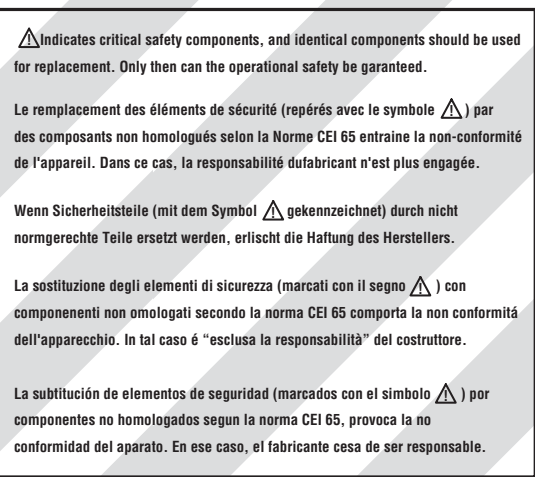
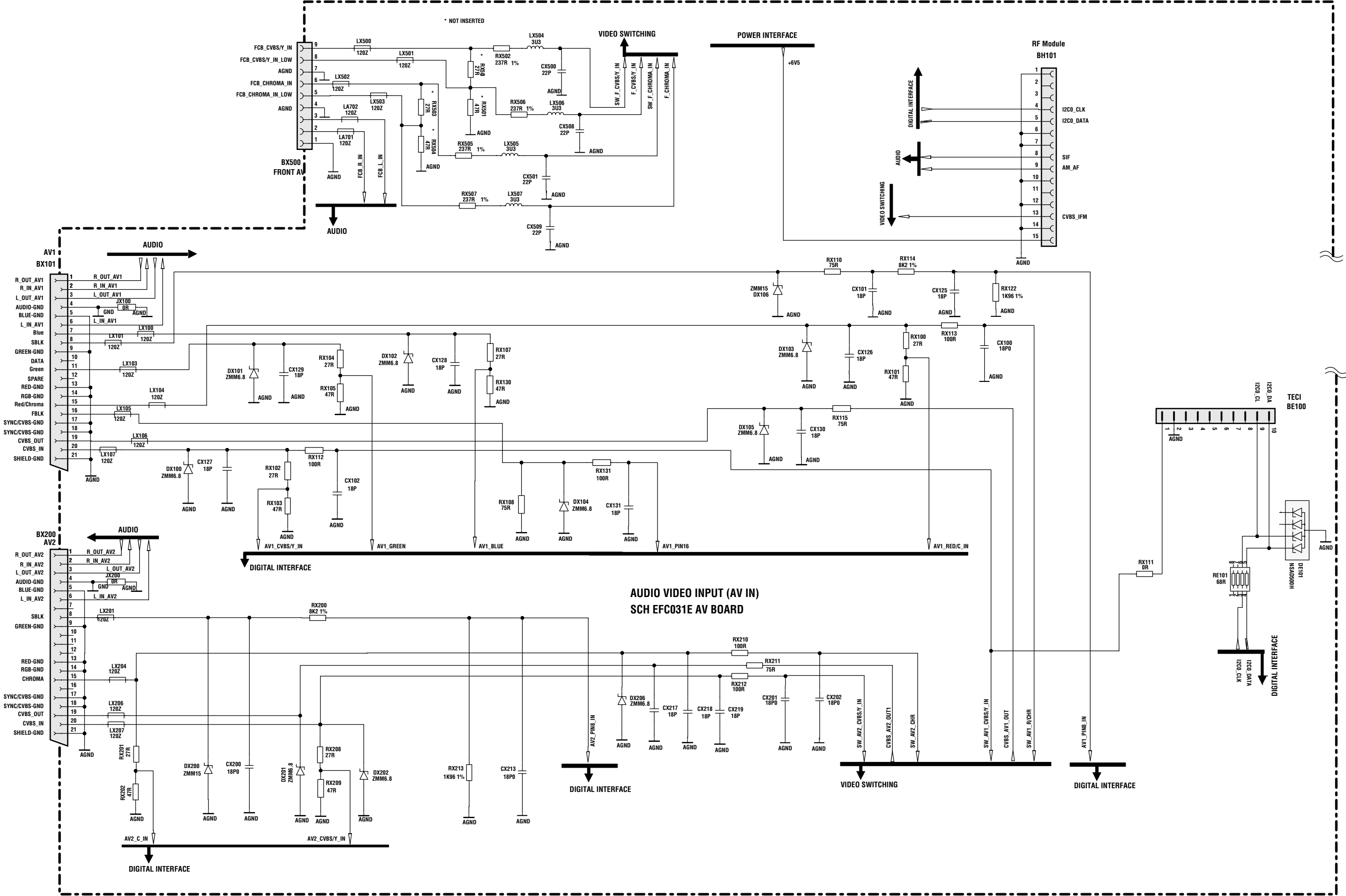


**SCHEMATIC DIAGRAM - SCHEMA DE PRINCIPE - SCHALTBILD - SCHEMA - ESQUEMA**





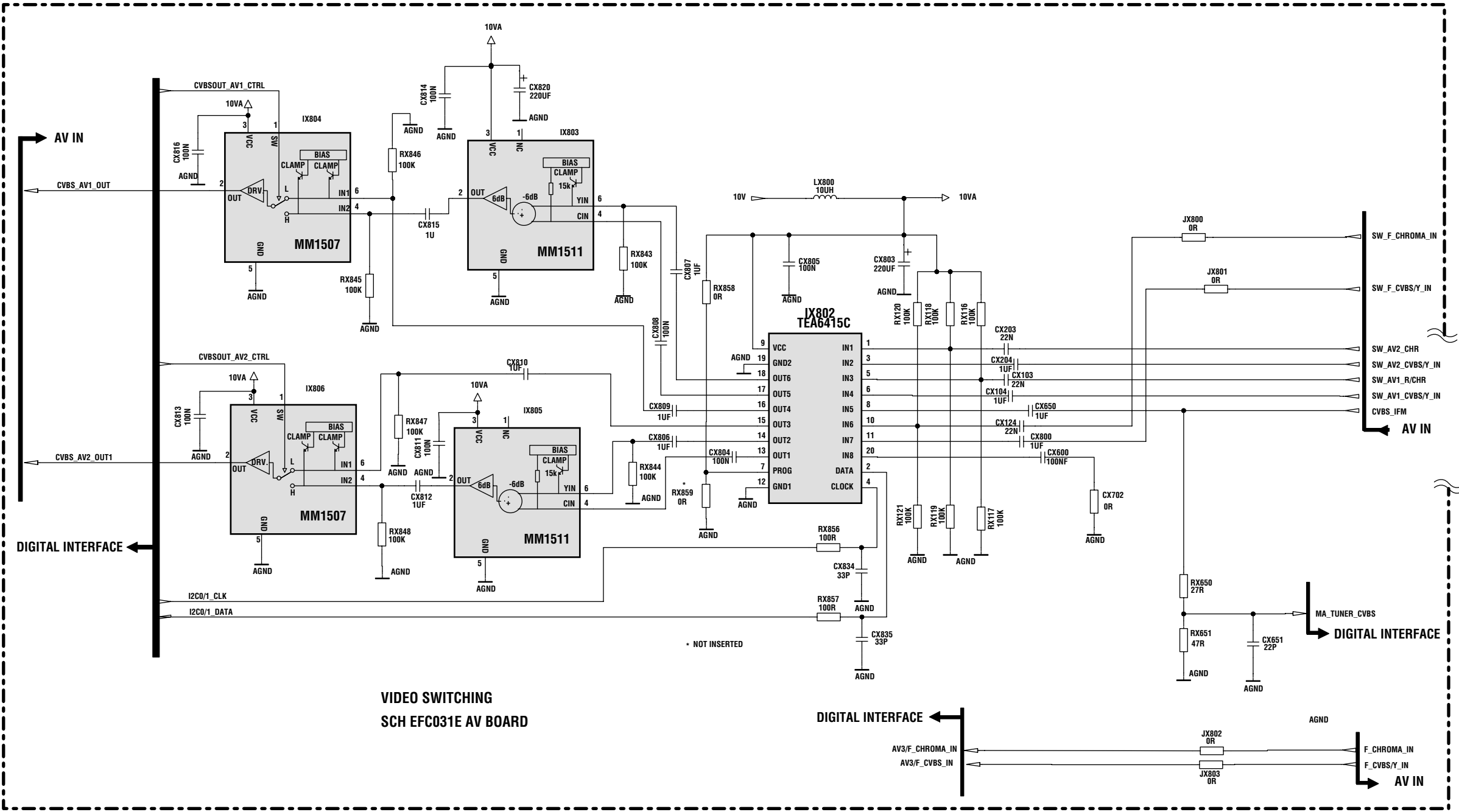
MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL



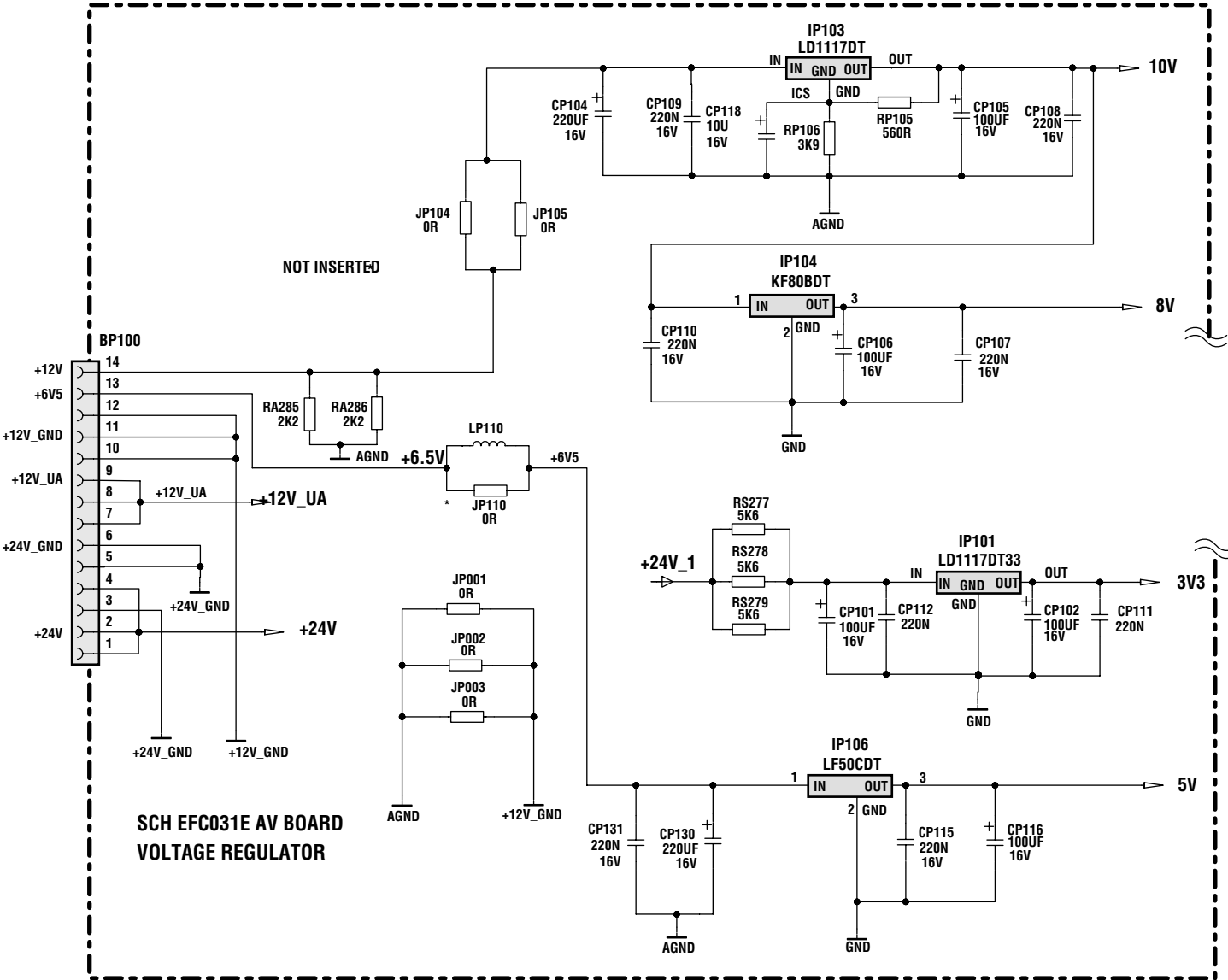
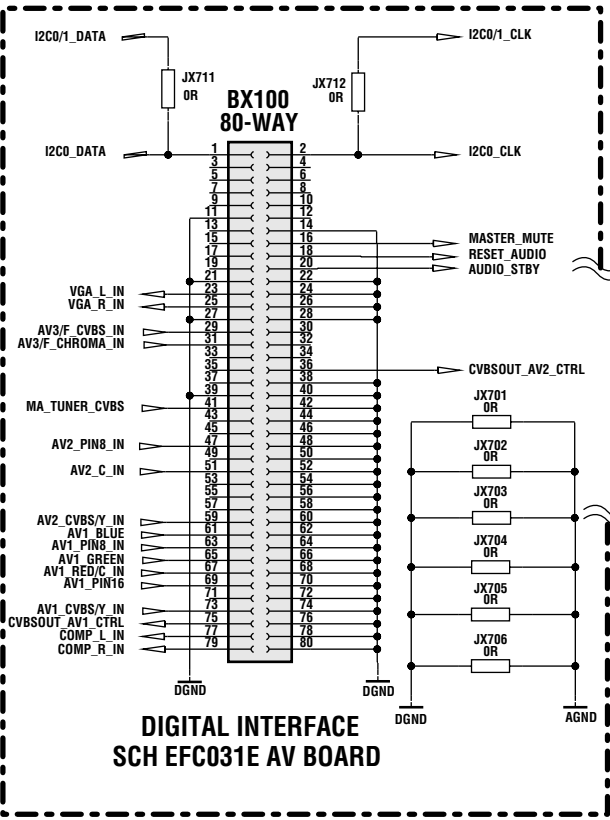
**EFC031-IFC130-IFC230**

First issue 12/05

MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL



MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE - SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE- ESQUEMA DE LA PLATINA PRINCIPAL



**SCH EFC031E AV BOARD AUDIO AMP**

The schematic diagram illustrates the internal architecture of the IS200 STA515W audio amplifier IC and its external components. The IC is divided into three main functional blocks: PROTECTION & LOGIC, REGULATORS, and the output stage.

- PROTECTION & LOGIC:** This block includes pins for IN1A, VL, CONFIG, PWRDN, FAULT, TRI-STATE, TH-WAR, and IN1B. It is connected to various external components, including resistors (RS201, RS202, RS203, RS204, RS205, RS206, RS207, RS208, RS209, RS210, RS211, RS212, RS213, RS214, RS215, RS216, RS217, RS218, RS219, RS220, RS221, RS222, RS223, RS224, RS225, RS226, RS227, RS228, RS229, RS230, RS231, RS232, RS233, RS234, RS235, RS236, RS237, RS238, RS239, RS240, RS241, RS242, RS243, RS244, RS245, RS246, RS247, RS248, RS249, RS250, RS251, RS252, RS253, RS254, RS255, RS256, RS257, RS258, RS259, RS260, RS261, RS262, RS263, RS264, RS265, RS266, RS267, RS268, RS269, RS270, RS271, RS272, RS273, RS274, RS275, RS276, RS277, RS278, RS279, RS280, RS281, RS282, RS283, RS284, RS285, RS286, RS287, RS288, RS289, RS290, RS291, RS292, RS293, RS294, RS295, RS296, RS297, RS298, RS299, RS300, RS301, RS302, RS303, RS304, RS305, RS306, RS307, RS308, RS309, RS310, RS311, RS312, RS313, RS314, RS315, RS316, RS317, RS318, RS319, RS320, RS321, RS322, RS323, RS324, RS325, RS326, RS327, RS328, RS329, RS330, RS331, RS332, RS333, RS334, RS335, RS336, RS337, RS338, RS339, RS340, RS341, RS342, RS343, RS344, RS345, RS346, RS347, RS348, RS349, RS350, RS351, RS352, RS353, RS354, RS355, RS356, RS357, RS358, RS359, RS360, RS361, RS362, RS363, RS364, RS365, RS366, RS367, RS368, RS369, RS370, RS371, RS372, RS373, RS374, RS375, RS376, RS377, RS378, RS379, RS380, RS381, RS382, RS383, RS384, RS385, RS386, RS387, RS388, RS389, RS390, RS391, RS392, RS393, RS394, RS395, RS396, RS397, RS398, RS399, RS400, RS401, RS402, RS403, RS404, RS405, RS406, RS407, RS408, RS409, RS410, RS411, RS412, RS413, RS414, RS415, RS416, RS417, RS418, RS419, RS420, RS421, RS422, RS423, RS424, RS425, RS426, RS427, RS428, RS429, RS430, RS431, RS432, RS433, RS434, RS435, RS436, RS437, RS438, RS439, RS440, RS441, RS442, RS443, RS444, RS445, RS446, RS447, RS448, RS449, RS450, RS451, RS452, RS453, RS454, RS455, RS456, RS457, RS458, RS459, RS460, RS461, RS462, RS463, RS464, RS465, RS466, RS467, RS468, RS469, RS470, RS471, RS472, RS473, RS474, RS475, RS476, RS477, RS478, RS479, RS480, RS481, RS482, RS483, RS484, RS485, RS486, RS487, RS488, RS489, RS490, RS491, RS492, RS493, RS494, RS495, RS496, RS497, RS498, RS499, RS500, RS501, RS502, RS503, RS504, RS505, RS506, RS507, RS508, RS509, RS510, RS511, RS512, RS513, RS514, RS515, RS516, RS517, RS518, RS519, RS520, RS521, RS522, RS523, RS524, RS525, RS526, RS527, RS528, RS529, RS530, RS531, RS532, RS533, RS534, RS535, RS536, RS537, RS538, RS539, RS540, RS541, RS542, RS543, RS544, RS545, RS546, RS547, RS548, RS549, RS550, RS551, RS552, RS553, RS554, RS555, RS556, RS557, RS558, RS559, RS560, RS561, RS562, RS563, RS564, RS565, RS566, RS567, RS568, RS569, RS570, RS571, RS572, RS573, RS574, RS575, RS576, RS577, RS578, RS579, RS580, RS581, RS582, RS583, RS584, RS585, RS586, RS587, RS588, RS589, RS590, RS591, RS592, RS593, RS594, RS595, RS596, RS597, RS598, RS599, RS600, RS601, RS602, RS603, RS604, RS605, RS606, RS607, RS608, RS609, RS610, RS611, RS612, RS613, RS614, RS615, RS616, RS617, RS618, RS619, RS620, RS621, RS622, RS623, RS624, RS625, RS626, RS627, RS628, RS629, RS630, RS631, RS632, RS633, RS634, RS635, RS636, RS637, RS638, RS639, RS640, RS641, RS642, RS643, RS644, RS645, RS646, RS647, RS648, RS649, RS650, RS651, RS652, RS653, RS654, RS655, RS656, RS657, RS658, RS659, RS660, RS661, RS662, RS663, RS664, RS665, RS666, RS667, RS668, RS669, RS670, RS671, RS672, RS673, RS674, RS675, RS676, RS677, RS678, RS679, RS680, RS681, RS682, RS683, RS684, RS685, RS686, RS687, RS688, RS689, RS690, RS691, RS692, RS693, RS694, RS695, RS696, RS697, RS698, RS699, RS700, RS701, RS702, RS703, RS704, RS705, RS706, RS707, RS708, RS709, RS710, RS711, RS712, RS713, RS714, RS715, RS716, RS717, RS718, RS719, RS720, RS721, RS722, RS723, RS724, RS725, RS726, RS727, RS728, RS729, RS730, RS731, RS732, RS733, RS734, RS735, RS736, RS737, RS738, RS739, RS740, RS741, RS742, RS743, RS744, RS745, RS746, RS747, RS748, RS749, RS750, RS751, RS752, RS753, RS754, RS755, RS756, RS757, RS758, RS759, RS760, RS761, RS762, RS763, RS764, RS765, RS766, RS767, RS768, RS769, RS770, RS771, RS772, RS773, RS774, RS775, RS776, RS777, RS778, RS779, RS780, RS781, RS782, RS783, RS784, RS785, RS786, RS787, RS788, RS789, RS790, RS791, RS792, RS793, RS794, RS795, RS796, RS797, RS798, RS799, RS800, RS801, RS802, RS803, RS804, RS805, RS806, RS807, RS808, RS809, RS810, RS811, RS812, RS813, RS814, RS815, RS816, RS817, RS818, RS819, RS820, RS821, RS822, RS823, RS824, RS825, RS826, RS827, RS828, RS829, RS830, RS831, RS832, RS833, RS834, RS835, RS836, RS837, RS838, RS839, RS840, RS841, RS842, RS843, RS844, RS845, RS846, RS847, RS848, RS849, RS850, RS851, RS852, RS853, RS854, RS855, RS856, RS857, RS858, RS859, RS860, RS861, RS862, RS863, RS864, RS865, RS866, RS867, RS868, RS869, RS870, RS871, RS872, RS873, RS874, RS875, RS876, RS877, RS878, RS879, RS880, RS881, RS882, RS883, RS884, RS885, RS886, RS887, RS888, RS889, RS890, RS891, RS892, RS893, RS894, RS895, RS896, RS897, RS898, RS899, RS900, RS901, RS902, RS903, RS904, RS905, RS906, RS907, RS908, RS909, RS910, RS911, RS912, RS913, RS914, RS915, RS916, RS917, RS918, RS919, RS920, RS921, RS922, RS923, RS924, RS925, RS926, RS927, RS928, RS929, RS930, RS931, RS932, RS933, RS934, RS935, RS936, RS937, RS938, RS939, RS940, RS941, RS942, RS943, RS944, RS945, RS946, RS947, RS948, RS949, RS950, RS951, RS952, RS953, RS954, RS955, RS956, RS957, RS958, RS959, RS960, RS961, RS962, RS963, RS964, RS965, RS966, RS967, RS968, RS969,

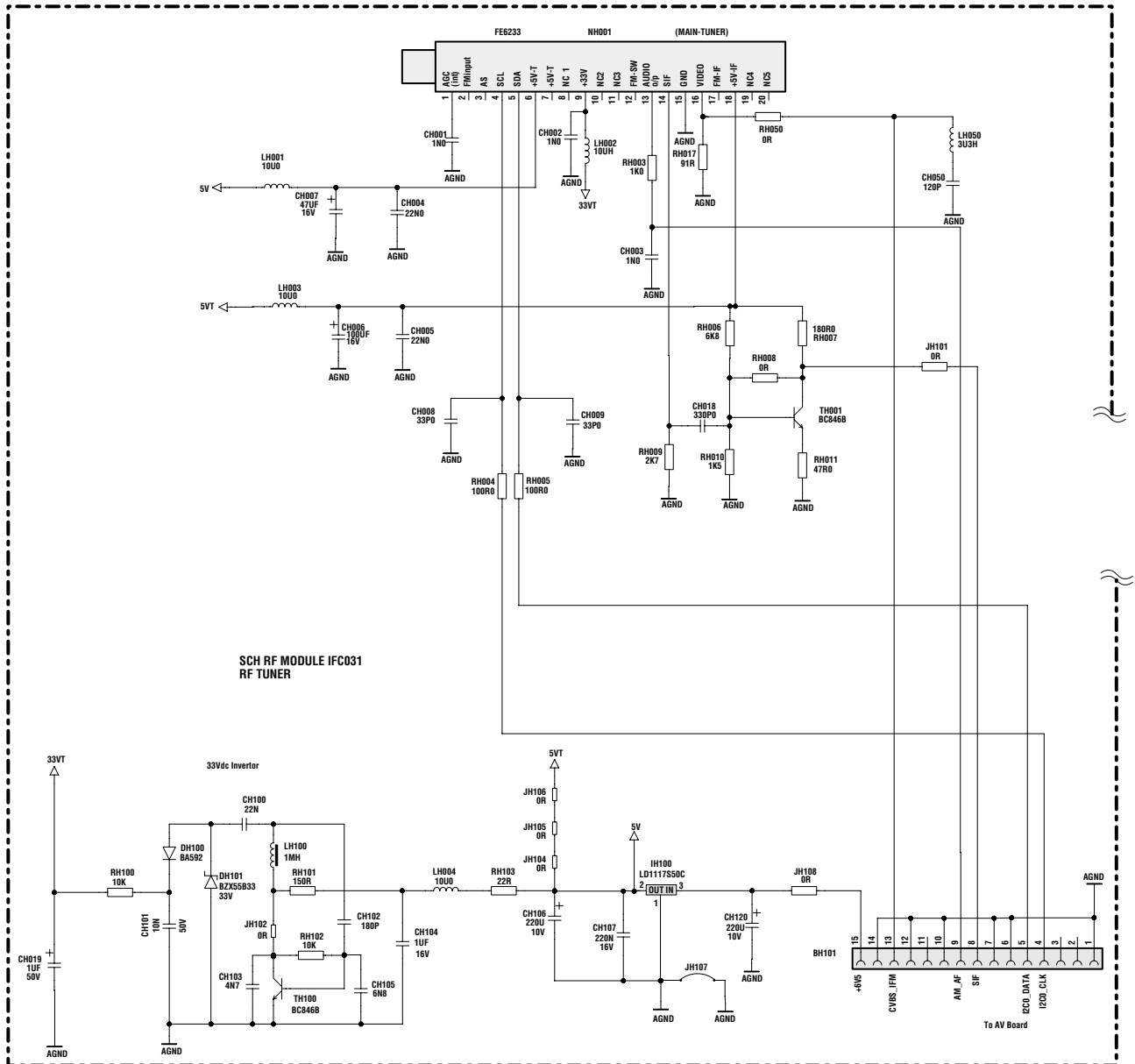
**EFC031-IFC130-IFC230**  
First issue 08 / 04



# MAIN SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE PRINCIPALE

## SCHALTBILD HAUPTPLATINE - SCHEMA DELLA PIASTRA PRINCIPALE

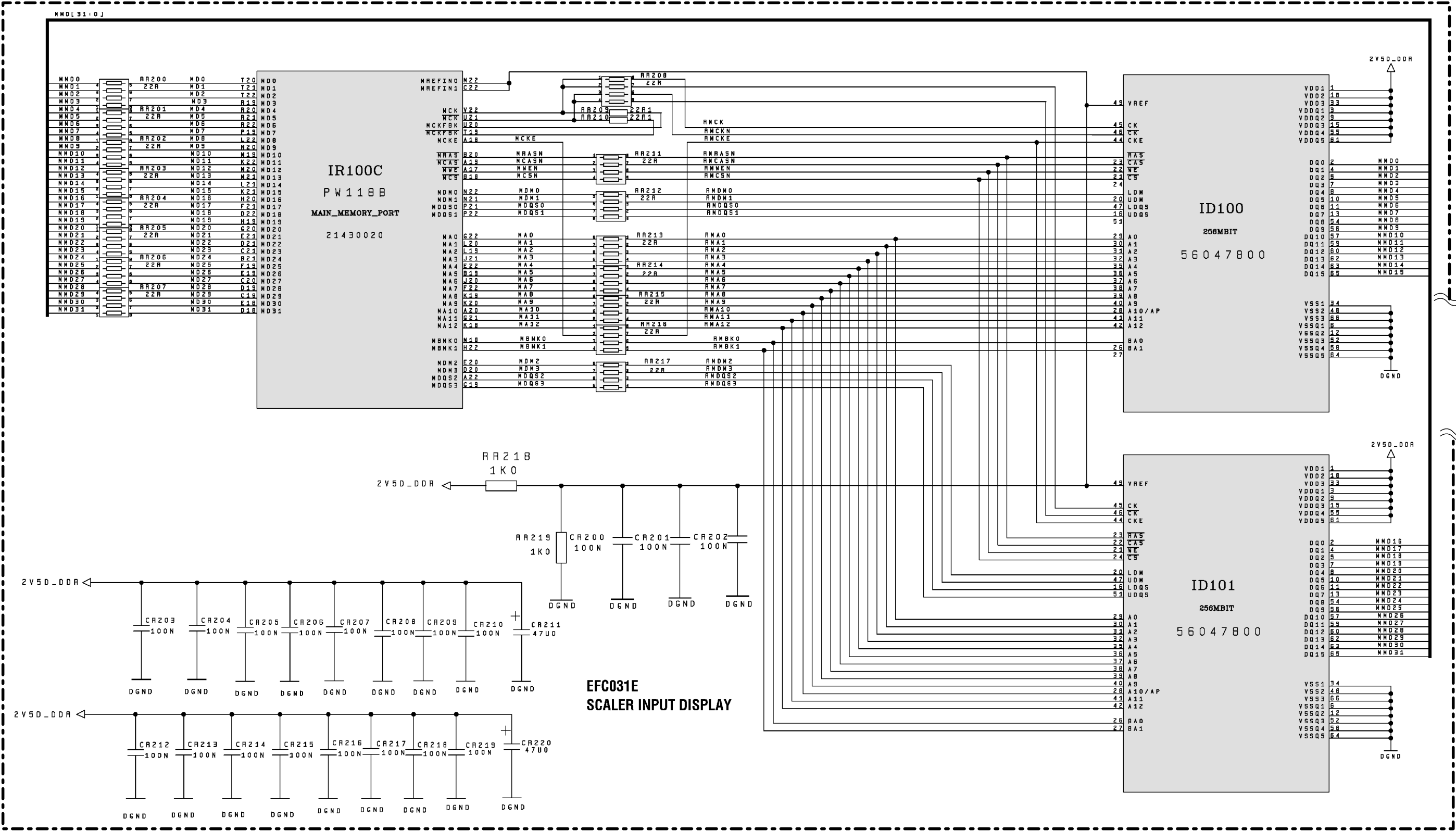
### ESQUEMA DE LA PLATINA PRINCIPAL





The schematic diagram illustrates the internal circuitry of the SCALER INPUT DISPLAY EFC031E. It features a central IC, IR104 (213985B0), which is a LVDS Transmitter. The circuit is powered by a 3V3D2 supply and includes various resistors (RR100, RR101, RR102, RR103, RR104, RR105, RR106, RR107, RR108, RR109, RR110, RR111, RR112, RR113, RR114, RR115, RR116, RR117, RR118, RR119, RR120, RR121, RR122, RR123, RR124, RR125, RR126, RR127, RR128, RR129, RR130, RR131, RR132, RR133, RR134, RR135, RR136, RR137, RR138, RR139, RR140, RR141, RR142, RR143, RR144, RR145, RR146, RR147, RR148, RR149, RR150, RR151, RR152, RR153, RR154, RR155, RR156, RR157, RR158, RR159, RR160, RR161, RR162, RR163, RR164, RR165, RR166, RR167, RR168, RR169, RR170, RR171, RR172, RR173, RR174, RR175, RR176, RR177, RR178, RR179, RR180, RR181, RR182, RR183, RR184, RR185, RR186, RR187, RR188, RR189, RR190, RR191, RR192, RR193, RR194, RR195, RR196, RR197, RR198, RR199, RR200, RR201, RR202, RR203, RR204, RR205, RR206, RR207, RR208, RR209, RR210, RR211, RR212, RR213, RR214, RR215, RR216, RR217, RR218, RR219, RR220, RR221, RR222, RR223, RR224, RR225, RR226, RR227, RR228, RR229, RR230, RR231, RR232, RR233, RR234, RR235, RR236, RR237, RR238, RR239, RR240, RR241, RR242, RR243, RR244, RR245, RR246, RR247, RR248, RR249, RR250, RR251, RR252, RR253, RR254, RR255, RR256, RR257, RR258, RR259, RR260, RR261, RR262, RR263, RR264, RR265, RR266, RR267, RR268, RR269, RR270, RR271, RR272, RR273, RR274, RR275, RR276, RR277, RR278, RR279, RR280, RR281, RR282, RR283, RR284, RR285, RR286, RR287, RR288, RR289, RR290, RR291, RR292, RR293, RR294, RR295, RR296, RR297, RR298, RR299, RR300, RR301, RR302, RR303, RR304, RR305, RR306, RR307, RR308, RR309, RR310, RR311, RR312, RR313, RR314, RR315, RR316, RR317, RR318, RR319, RR320, RR321, RR322, RR323, RR324, RR325, RR326, RR327, RR328, RR329, RR330, RR331, RR332, RR333, RR334, RR335, RR336, RR337, RR338, RR339, RR340, RR341, RR342, RR343, RR344, RR345, RR346, RR347, RR348, RR349, RR350, RR351, RR352, RR353, RR354, RR355, RR356, RR357, RR358, RR359, RR360, RR361, RR362, RR363, RR364, RR365, RR366, RR367, RR368, RR369, RR370, RR371, RR372, RR373, RR374, RR375, RR376, RR377, RR378, RR379, RR380, RR381, RR382, RR383, RR384, RR385, RR386, RR387, RR388, RR389, RR390, RR391, RR392, RR393, RR394, RR395, RR396, RR397, RR398, RR399, RR400, RR401, RR402, RR403, RR404, RR405, RR406, RR407, RR408, RR409, RR410, RR411, RR412, RR413, RR414, RR415, RR416, RR417, RR418, RR419, RR420, RR421, RR422, RR423, RR424, RR425, RR426, RR427, RR428, RR429, RR430, RR431, RR432, RR433, RR434, RR435, RR436, RR437, RR438, RR439, RR440, RR441, RR442, RR443, RR444, RR445, RR446, RR447, RR448, RR449, RR450, RR451, RR452, RR453, RR454, RR455, RR456, RR457, RR458, RR459, RR460, RR461, RR462, RR463, RR464, RR465, RR466, RR467, RR468, RR469, RR470, RR471, RR472, RR473, RR474, RR475, RR476, RR477, RR478, RR479, RR480, RR481, RR482, RR483, RR484, RR485, RR486, RR487, RR488, RR489, RR490, RR491, RR492, RR493, RR494, RR495, RR496, RR497, RR498, RR499, RR500, RR501, RR502, RR503, RR504, RR505, RR506, RR507, RR508, RR509, RR510, RR511, RR512, RR513, RR514, RR515, RR516, RR517, RR518, RR519, RR520, RR521, RR522, RR523, RR524, RR525, RR526, RR527, RR528, RR529, RR530, RR531, RR532, RR533, RR534, RR535, RR536, RR537, RR538, RR539, RR540, RR541, RR542, RR543, RR544, RR545, RR546, RR547, RR548, RR549, RR550, RR551, RR552, RR553, RR554, RR555, RR556, RR557, RR558, RR559, RR560, RR561, RR562, RR563, RR564, RR565, RR566, RR567, RR568, RR569, RR570, RR571, RR572, RR573, RR574, RR575, RR576, RR577, RR578, RR579, RR580, RR581, RR582, RR583, RR584, RR585, RR586, RR587, RR588, RR589, RR590, RR591, RR592, RR593, RR594, RR595, RR596, RR597, RR598, RR599, RR600, RR601, RR602, RR603, RR604, RR605, RR606, RR607, RR608, RR609, RR610, RR611, RR612, RR613, RR614, RR615, RR616, RR617, RR618, RR619, RR620, RR621, RR622, RR623, RR624, RR625, RR626, RR627, RR628, RR629, RR630, RR631, RR632, RR633, RR634, RR635, RR636, RR637, RR638, RR639, RR640, RR641, RR642, RR643, RR644, RR645, RR646, RR647, RR648, RR649, RR650, RR651, RR652, RR653, RR654, RR655, RR656, RR657, RR658, RR659, RR660, RR661, RR662, RR663, RR664, RR665, RR666, RR667, RR668, RR669, RR670, RR671, RR672, RR673, RR674, RR675, RR676, RR677, RR678, RR679, RR680, RR681, RR682, RR683, RR684, RR685, RR686, RR687, RR688, RR689, RR690, RR691, RR692, RR693, RR694, RR695, RR696, RR697, RR698, RR699, RR700, RR701, RR702, RR703, RR704, RR705, RR706, RR707, RR708, RR709, RR710, RR711, RR712, RR713, RR714, RR715, RR716, RR717, RR718, RR719, RR720, RR721, RR722, RR723, RR724, RR725, RR726, RR727, RR728, RR729, RR730, RR731, RR732, RR733, RR734, RR735, RR736, RR737, RR738, RR739, RR740, RR741, RR742, RR743, RR744, RR745, RR746, RR747, RR748, RR749, RR750, RR751, RR752, RR753, RR754, RR755, RR756, RR757, RR758, RR759, RR760, RR761, RR762, RR763, RR764, RR765, RR766, RR767, RR768, RR769, RR770, RR771, RR772, RR773, RR774, RR775, RR776, RR777, RR778, RR779, RR780, RR781, RR782, RR783, RR784, RR785, RR786, RR787, RR788, RR789, RR790, RR791, RR792, RR793, RR794, RR795, RR796, RR797, RR798, RR799, RR800, RR801, RR802, RR803, RR804, RR805, RR806, RR807, RR808, RR809, RR810, RR811, RR812, RR813, RR814, RR815, RR816, RR817, RR818, RR819, RR820, RR821, RR822, RR823, RR824, RR825, RR826, RR827, RR828, RR829, RR830, RR831, RR832, RR833, RR834, RR835, RR836, RR837, RR838, RR839, RR840, RR841, RR842, RR843, RR844, RR845, RR846, RR847, RR848, RR849, RR850, RR851, RR852, RR853, RR854, RR855, RR856, RR857, RR858, RR859, RR860, RR861, RR862, RR863, RR864, RR865, RR866, RR867, RR868, RR869, RR870, RR871, RR872, RR873, RR874, RR875, RR876, RR877, RR878, RR879, RR880, RR881, RR882, RR883, RR884, RR885, RR886, RR887, RR888, RR889, RR890, RR891, RR892,

SCALER SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE SCALER - SCHALTBILD SCALER - SCHEMA DELLA PIASTRA SCALER - ESQUEMA DE LA PLATINA SCALER



**SCALER GPIO\_MISC EFC031E / PLASMA**

**Component Values Table:**

Component	Value
RR101	10K
RR102	10K
RR103	10K
RR104	10K
RR105	10K
RR106	10K
RR107	10K
RR108	10K
RR109	10K
RR110	10K
RR111	10K
RR112	10K
RR113	10K
RR114	10K
RR115	10K
RR116	10K
RR117	10K
RR118	10K
RR119	10K
RR120	10K
RR121	10K
RR122	10K
RR123	10K
RR124	10K
RR125	10K
RR126	10K
RR127	10K
RR128	10K
RR129	10K
RR130	10K
RR131	10K
RR132	10K
RR133	10K
RR134	10K
RR135	10K
RR136	10K
RR137	10K
RR138	10K
RR139	10K
RR140	10K
RR141	10K
RR142	10K
RR143	10K
RR144	10K
RR145	10K
RR146	10K
RR147	10K
RR148	10K
RR149	10K
RR150	10K
RR151	10K
RR152	10K
RR153	10K
RR154	10K
RR155	10K
RR156	10K
RR157	10K
RR158	10K
RR159	10K
RR160	10K
RR161	10K
RR162	10K
RR163	10K
RR164	10K
RR165	10K
RR166	10K
RR167	10K
RR168	10K
RR169	10K
RR170	10K
RR171	10K
RR172	10K
RR173	10K
RR174	10K
RR175	10K
RR176	10K
RR177	10K
RR178	10K
RR179	10K
RR180	10K
RR181	10K
RR182	10K
RR183	10K
RR184	10K
RR185	10K
RR186	10K
RR187	10K
RR188	10K
RR189	10K
RR190	10K
RR191	10K
RR192	10K
RR193	10K
RR194	10K
RR195	10K
RR196	10K
RR197	10K
RR198	10K
RR199	10K
RR200	10K
RR201	10K
RR202	10K
RR203	10K
RR204	10K
RR205	10K
RR206	10K
RR207	10K
RR208	10K
RR209	10K
RR210	10K
RR211	10K
RR212	10K
RR213	10K
RR214	10K
RR215	10K
RR216	10K
RR217	10K
RR218	10K
RR219	10K
RR220	10K
RR221	10K
RR222	10K
RR223	10K
RR224	10K
RR225	10K
RR226	10K
RR227	10K
RR228	10K
RR229	10K
RR230	10K
RR231	10K
RR232	10K
RR233	10K
RR234	10K
RR235	10K
RR236	10K
RR237	10K
RR238	10K
RR239	10K
RR240	10K
RR241	10K
RR242	10K
RR243	10K
RR244	10K
RR245	10K
RR246	10K
RR247	10K
RR248	10K
RR249	10K
RR250	10



SCALER SCHEMATIC DIAGRAM - SCHEMA DE LA PLATINE SCALER - SCHALTBILD SCALER - SCHEMA DELLA PIASTRA SCALER - ESQUEMA DE LA PLATINA SCALER

