

NSM E-004 LEVEL METER LED DISPLAY rev2

The PCB layout is divided into two main sections: the display module (top) and the main PCB (bottom).

Display Module Components:

- LEDs:** 16 LEDs (R1-R16) are arranged in two rows of 8.
- Drivers:** 16 drivers (VD1-VD16) are arranged in two rows of 8.
- Resistors:** 16 resistors (R1-R16) are arranged in two rows of 8.
- Connectors:** 16 pins (HG1-HG16) are arranged in two rows of 8.

Main PCB Components:

- Resistors:** R1-R16, R17-R32, R33-R48, R49-R64, R65-R80, R81-R96, R97-R112, R113-R128, R129-R144, R145-R160, R161-R176, R177-R192, R193-R208, R209-R224, R225-R240, R241-R256, R257-R272, R273-R288, R289-R304, R305-R320, R321-R336, R337-R352, R353-R368, R369-R384, R385-R400, R401-R416, R417-R432, R433-R448, R449-R464, R465-R480, R481-R496, R497-R512, R513-R528, R529-R544, R545-R560, R561-R576, R577-R592, R593-R608, R609-R624, R625-R640, R641-R656, R657-R672, R673-R688, R689-R704, R705-R720, R721-R736, R737-R752, R753-R768, R769-R784, R785-R800, R801-R816, R817-R832, R833-R848, R849-R864, R865-R880, R881-R896, R897-R912, R913-R928, R929-R944, R945-R960, R961-R976, R977-R992, R993-R1008, R1009-R1024, R1025-R1040, R1041-R1056, R1057-R1072, R1073-R1088, R1089-R1104, R1105-R1120, R1121-R1136, R1137-R1152, R1153-R1168, R1169-R1184, R1185-R1200, R1201-R1216, R1217-R1232, R1233-R1248, R1249-R1264, R1265-R1280, R1281-R1296, R1297-R1312, R1313-R1328, R1329-R1344, R1345-R1360, R1361-R1376, R1377-R1392, R1393-R1408, R1409-R1424, R1425-R1440, R1441-R1456, R1457-R1472, R1473-R1488, R1489-R1504, R1505-R1520, R1521-R1536, R1537-R1552, R1553-R1568, R1569-R1584, R1585-R1600, R1601-R1616, R1617-R1632, R1633-R1648, R1649-R1664, R1665-R1680, R1681-R1696, R1697-R1712, R1713-R1728, R1729-R1744, R1745-R1760, R1761-R1776, R1777-R1792, R1793-R1808, R1809-R1824, R1825-R1840, R1841-R1856, R1857-R1872, R1873-R1888, R1889-R1904, R1905-R1920, R1921-R1936, R1937-R1952, R1953-R1968, R1969-R1984, R1985-R2000, R2001-R2016, R2017-R2032, R2033-R2048, R2049-R2064, R2065-R2080, R2081-R2096, R2097-R2112, R2113-R2128, R2129-R2144, R2145-R2160, R2161-R2176, R2177-R2192, R2193-R2208, R2209-R2224, R2225-R2240, R2241-R2256, R2257-R2272, R2273-R2288, R2289-R2304, R2305-R2320, R2321-R2336, R2337-R2352, R2353-R2368, R2369-R2384, R2385-R2400, R2401-R2416, R2417-R2432, R2433-R2448, R2449-R2464, R2465-R2480, R2481-R2496, R2497-R2512, R2513-R2528, R2529-R2544, R2545-R2560, R2561-R2576, R2577-R2592, R2593-R2608, R2609-R2624, R2625-R2640, R2641-R2656, R2657-R2672, R2673-R2688, R2689-R2704, R2705-R2720, R2721-R2736, R2737-R2752, R2753-R2768, R2769-R2784, R2785-R2800, R2801-R2816, R2817-R2832, R2833-R2848, R2849-R2864, R2865-R2880, R2881-R2896, R2897-R2912, R2913-R2928, R2929-R2944, R2945-R2960, R2961-R2976, R2977-R2992, R2993-R3008, R3009-R3024, R3025-R3040, R3041-R3056, R3057-R3072, R3073-R3088, R3089-R3104, R3105-R3120, R3121-R3136, R3137-R3152, R3153-R3168, R3169-R3184, R3185-R3200, R3201-R3216, R3217-R3232, R3233-R3248, R3249-R3264, R3265-R3280, R3281-R3296, R3297-R3312, R3313-R3328, R3329-R3344, R3345-R3360, R3361-R3376, R3377-R3392, R3393-R3408, R3409-R3424, R3425-R3440, R3441-R3456, R3457-R3472, R3473-R3488, R3489-R3504, R3505-R3520, R3521-R3536, R3537-R3552, R3553-R3568, R3569-R3584, R3585-R3600, R3601-R3616, R3617-R3632, R3633-R3648, R3649-R3664, R3665-R3680, R3681-R3696, R3697-R3712, R3713-R3728, R3729-R3744, R3745-R3760, R3761-R3776, R3777-R3792, R3793-R3808, R3809-R3824, R3825-R3840, R3841-R3856, R3857-R3872, R3873-R3888, R3889-R3904, R3905-R3920, R3921-R3936, R3937-R3952, R3953-R3968, R3969-R3984, R3985-R4000, R4001-R4016, R4017-R4032, R4033-R4048, R4049-R4064, R4065-R4080, R4081-R4096, R4097-R4112, R4113-R4128, R4129-R4144, R4145-R4160, R4161-R4176, R4177-R4192, R4193-R4208, R4209-R4224, R4225-R4240, R4241-R4256, R4257-R4272, R4273-R4288, R4289-R4304, R4305-R4320, R4321-R4336, R4337-R4352, R4353-R4368, R4369-R4384, R4385-R4400, R4401-R4416, R4417-R4432, R4433-R4448, R4449-R4464, R4465-R4480, R4481-R4496, R4497-R4512, R4513-R4528, R4529-R4544, R4545-R4560, R4561-R4576, R4577-R4592, R4593-R4608, R4609-R4624, R4625-R4640, R4641-R4656, R4657-R4672, R4673-R4688, R4689-R4704, R4705-R4720, R4721-R4736, R4737-R4752, R4753-R4768, R4769-R4784, R4785-R4800, R4801-R4816, R4817-R4832, R4833-R4848, R4849-R4864, R4865-R4880, R4881-R4896, R4897-R4912, R4913-R4928, R4929-R4944, R4945-R4960, R4961-R4976, R4977-R4992, R4993-R5008, R5009-R5024, R5025-R5040, R5041-R5056, R5057-R5072, R5073-R5088, R5089-R5104, R5105-R5120, R5121-R5136, R5137-R5152, R5153-R5168, R5169-R5184, R5185-R5200, R5201-R5216, R5217-R5232, R5233-R5248, R5249-R5264, R5265-R5280, R5281-R5296, R5297-R5312, R5313-R5328, R5329-R5344, R5345-R5360, R5361-R5376, R5377-R5392, R5393-R5408, R5409-R5424, R5425-R5440, R5441-R5456, R5457-R5472, R5473-R5488, R5489-R5504, R5505-R5520, R5521-R5536, R5537-R5552, R5553-R5568, R5569-R5584, R5585-R5600, R5601-R5616, R5617-R5632, R5633-R5648, R5649-R5664, R5665-R5680, R5

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