

Telesto MAX 10 GPIO Easy Reference

Header P4

| PIN NO. On The Header | Pin Description                 | MAX 10 (F484) Pin No. | PIN NO. On The Header | Pin Description                 | MAX 10 (F484) Pin No. | PIN NO. On The Header | Pin Description         | MAX 10 (F484) Pin No. | PIN NO. On The Header | Pin Description         | MAX 10 (F484) Pin No. |
|-----------------------|---------------------------------|-----------------------|-----------------------|---------------------------------|-----------------------|-----------------------|-------------------------|-----------------------|-----------------------|-------------------------|-----------------------|
| 1                     | NA                              | GND                   | 2                     | NA                              | VCC3V3                | 3                     | NA                      | VCCIN                 | 4                     | NA                      | GND                   |
| 5                     | DIFFIO_RX_B6N                   | AA1                   | 6                     | DIFFIO_RX_B6P                   | AA2                   | 7                     | DIFFIO_RX_B4N           | Y1                    | 8                     | DIFFIO_RX_B4P           | Y2                    |
| 9                     | DIFFIO_RX_B14N                  | Y3                    | 10                    | DIFFIO_RX_B14P                  | Y4                    | 11                    | DIFFIO_RX_B12N          | AB2                   | 12                    | DIFFIO_RX_B12P          | AB3                   |
| 13                    | DIFFIO_TX_RX_B5N                | W4                    | 14                    | DIFFIO_TX_RX_B5P                | W3                    | 15                    | DIFFIO_RX_B2N           | V4                    | 16                    | DIFFIO_RX_B2P           | V5                    |
| 15                    | DIFFIO_RX_B8N                   | Y5                    | 18                    | DIFFIO_RX_B8P                   | Y6                    | 19                    | DIFFIO_RX_B17P          | AB5                   | 20                    | DIFFIO_RX_B17N          | AA5                   |
| 21                    | DIFFIO_TX_RX_B3N                | U6                    | 22                    | DIFFIO_TX_RX_B3P                | U7                    | 23                    | DIFFIO_TX_RX_B1N        | W5                    | 24                    | DIFFIO_TX_RX_B1P        | W6                    |
| 25                    | DIFFIO_TX_RX_B16N               | AA6                   | 26                    | DIFFIO_TX_RX_B16P               | AA7                   | 27                    | DIFFIO_RX_B19N          | AB6                   | 28                    | DIFFIO_RX_B19P          | AB7                   |
| 29                    | DIFFIO_TX_RX_B9N                | R9                    | 30                    | DIFFIO_TX_RX_B9P                | P9                    | 31                    | DIFFIO_TX_RX_B7N        | V7                    | 32                    | DIFFIO_TX_RX_B7P        | V8                    |
| 33                    | DIFFIO_TX_RX_B13N               | W7                    | 34                    | DIFFIO_TX_RX_B13P               | W8                    | 35                    | DIFFIO_RX_B10N          | Y7                    | 36                    | DIFFIO_RX_B10P          | Y8                    |
| 37                    | DIFFIO_TX_RX_B22N               | Y10                   | 38                    | DIFFIO_TX_RX_B22P               | AA10                  | 39                    | DIFFIO_RX_B21N          | AA8                   | 40                    | DIFFIO_RX_B21P          | AB8                   |
| 41                    | DIFFIO_TX_RX_B11N               | W9                    | 42                    | DIFFIO_TX_RX_B11P               | W10                   | 43                    | DIFFIO_RX_B23N          | AA9                   | 44                    | DIFFIO_RX_B23P          | AB9                   |
| 45                    | DIFFIO_TX_RX_B15N               | R10                   | 46                    | DIFFIO_TX_RX_B15P               | P10                   | 47                    | DIFFIO_TX_RX_B18N/CLK6n | V9                    | 48                    | DIFFIO_TX_RX_B18P/CLK6p | V10                   |
| 49                    | NA                              | GND                   | 50                    | NA                              | GND                   | 51                    | NA                      | GND                   | 52                    | NA                      | GND                   |
| 53                    | DIFFIO_TX_RX_B26N               | R12                   | 54                    | DIFFIO_TX_RX_B26P               | P12                   | 55                    | DIFFIO_RX_B27N          | AB10                  | 56                    | DIFFIO_RX_B27P          | AB11                  |
| 57                    | DIFFIO_TX_RX_B20N/CLK7n         | R11                   | 58                    | DIFFIO_TX_RX_B20P/CLK7p         | P11                   | 59                    | DIFFIO_RX_B25N          | W11                   | 60                    | DIFFIO_RX_B25P          | Y11                   |
| 61                    | DIFFIO_TX_RX_B36N               | R13                   | 62                    | DIFFIO_TX_RX_B36P               | P13                   | 63                    | DIFFIO_TX_RX_B28N       | AA11                  | 64                    | DIFFIO_TX_RX_B28P       | AA12                  |
| 65                    | DIFFIO_RX_B35N                  | W12                   | 66                    | DIFFIO_RX_B35P                  | W13                   | 67                    | DIFFIO_RX_B29N          | AB12                  | 68                    | DIFFIO_RX_B29P          | AB13                  |
| 69                    | DIFFIO_TX_RX_B34N               | V13                   | 70                    | DIFFIO_TX_RX_B34P               | W14                   | 71                    | DIFFIO_TX_RX_B37N       | Y13                   | 72                    | DIFFIO_TX_RX_B37P       | Y14                   |
| 73                    | DIFFIO_TX_RX_B39N               | V14                   | 74                    | DIFFIO_TX_RX_B39P               | W15                   | 75                    | DIFFIO_RX_B38N          | AA14                  | 76                    | DIFFIO_RX_B38P          | AB15                  |
| 77                    | DIFFIO_TX_RX_B41N               | U15                   | 78                    | DIFFIO_TX_RX_B41P               | V16                   | 79                    | DIFFIO_RX_B40N          | AA15                  | 80                    | DIFFIO_RX_B40P          | Y16                   |
| 81                    | DIFFIO_TX_RX_B49N               | Y19                   | 82                    | DIFFIO_TX_RX_B49P               | W18                   | 83                    | DIFFIO_RX_B42N          | AB16                  | 84                    | DIFFIO_RX_B42P          | AA16                  |
| 85                    | DIFFIO_TX_RX_B57n/PLL_B_CLKOUTn | W17                   | 86                    | DIFFIO_TX_RX_B57P/PLL_B_CLKOUTp | V17                   | 87                    | DIFFIO_RX_B50N          | AB21                  | 88                    | DIFFIO_RX_B50P          | AA20                  |
| 89                    | NA                              | GND                   | 90                    | NA                              | GND                   | 91                    | NA                      | GND                   | 92                    | NA                      | GND                   |
| 93                    | NA                              | VCC3V3                | 94                    | NA                              | VCC3V3                | 95                    | NA                      | VCC3V3                | 96                    | NA                      | VCC3V3                |

Header P5

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|-----------------------|------------------------------|-----------------------|-----------------------|------------------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|
| 1                     | DIFFIO_RX_L1N/ADC1IN1        | F5                    | 2                     | DIFFIO_RX_L1P/ADC1IN2        | F4                    | 3                     | NA                    | VCCIN                 | 4                     | NA                    | GND                   |
| 5                     | DIFFIO_RX_L3N/ADC1IN3        | J8                    | 6                     | DIFFIO_RX_L3P/ADC1IN4        | J9                    | 7                     | DIFFIO_RX_L44N        | U1                    | 8                     | DIFFIO_RX_L44P        | V1                    |
| 9                     | DIFFIO_RX_L2N/ADC2IN1        | E4                    | 10                    | DIFFIO_RX_L8P/ADC2IN2        | J3                    | 11                    | DIFFIO_RX_L43N        | T3                    | 12                    | DIFFIO_RX_L43P        | U2                    |
| 13                    | DIFFIO_RX_L4N/ADC2IN3        | G4                    | 14                    | DIFFIO_RX_L4P/ADC2IN4        | F3                    | 15                    | DIFFIO_RX_L40N        | T1                    | 16                    | DIFFIO_RX_L40P        | T2                    |
| 15                    | DIFFIO_RX_L39N               | R4                    | 18                    | DIFFIO_RX_L39P               | R5                    | 19                    | DIFFIO_RX_L38N/DPCLK0 | P3                    | 20                    | DIFFIO_RX_L38P/DPCLK1 | R3                    |
| 21                    | DIFFIO_RX_T25N               | A10                   | 22                    | DIFFIO_RX_T25P               | A11                   | 23                    | DIFFIO_RX_L60N        | R1                    | 24                    | DIFFIO_RX_L60P        | R2                    |
| 25                    | DIFFIO_RX_L37N               | N3                    | 26                    | DIFFIO_RX_L37P               | N2                    | 27                    | DIFFIO_RX_L42N        | P1                    | 28                    | DIFFIO_RX_L42P        | N1                    |
| 29                    | DIFFIO_RX_L59N/PLL_L_CLKOUTn | T5                    | 30                    | DIFFIO_RX_L59P/PLL_L_CLKOUTp | T6                    | 31                    | DIFFIO_RX_L29N        | P4                    | 32                    | DIFFIO_RX_L29P        | P5                    |
| 33                    | DIFFIO_RX_T28N               | N8                    | 34                    | DIFFIO_RX_T28P               | N9                    | 35                    | DIFFIO_RX_L41N        | J11                   | 36                    | DIFFIO_RX_L41P        | H12                   |
| 37                    | DIFFIO_RX_T22N               | J12                   | 38                    | DIFFIO_RX_T22P               | H13                   | 39                    | DIFFIO_RX_T24N        | D12                   | 40                    | DIFFIO_RX_T24P        | C12                   |
| 41                    | DIFFIO_RX_T30N               | C9                    | 42                    | DIFFIO_RX_T30P               | B10                   | 43                    | DIFFIO_RX_T26N        | C10                   | 44                    | DIFFIO_RX_T26P        | C11                   |
| 45                    | NA                           | GND                   | 46                    | NA                           | GND                   | 47                    | NA                    | GND                   | 48                    | NA                    | GND                   |
| 49                    | NA                           | GND                   | 50                    | NA                           | GND                   | 51                    | NA                    | GND                   | 52                    | NA                    | GND                   |
| 53                    | DIFFIO_RX_T31N               | B8                    | 54                    | DIFFIO_RX_T31P               | A9                    | 55                    | DIFFIO_RX_T29N        | A8                    | 56                    | DIFFIO_RX_T29P        | A7                    |
| 57                    | DIFFIO_RX_T36N/CLK1n         | M8                    | 58                    | DIFFIO_RX_T36P/CLK1p         | M9                    | 59                    | DIFFIO_RX_T21N        | D13                   | 60                    | DIFFIO_RX_T21P        | E12                   |
| 61                    | DIFFIO_RX_T27N               | B11                   | 62                    | DIFFIO_RX_T27P               | B12                   | 63                    | DIFFIO_RX_T25N        | N4                    | 64                    | DIFFIO_RX_T25P        | N5                    |
| 65                    | DIFFIO_RX_T17N               | J13                   | 66                    | DIFFIO_RX_T17P               | H14                   | 67                    | DIFFIO_RX_T9N         | E14                   | 68                    | DIFFIO_RX_T9P         | D15                   |
| 69                    | DIFFIO_RX_T18N               | C13                   | 70                    | DIFFIO_RX_T18P               | C14                   | 71                    | DIFFIO_RX_T23N        | A12                   | 72                    | DIFFIO_RX_T23P        | A13                   |
| 73                    | DIFFIO_RX_T1N                | E15                   | 74                    | DIFFIO_RX_T1P                | E16                   | 75                    | DIFFIO_RX_T19N        | B14                   | 76                    | DIFFIO_RX_T19P        | A14                   |
| 77                    | DIFFIO_RX_T5N                | F15                   | 78                    | DIFFIO_RX_T5P                | F16                   | 79                    | DIFFIO_RX_T2N         | C17                   | 80                    | DIFFIO_RX_T2P         | D17                   |
| 81                    | DIFFIO_RX_T7N                | B17                   | 82                    | DIFFIO_RX_T7P                | C18                   | 83                    | DIFFIO_RX_T10N        | A17                   | 84                    | DIFFIO_RX_T10P        | A18                   |
| 85                    | DIFFIO_RX_T6N                | B19                   | 86                    | DIFFIO_RX_T6P                | C19                   | 87                    | DIFFIO_RX_T8N         | A19                   | 88                    | DIFFIO_RX_T8P         | A20                   |
| 89                    | DIFFIO_RX_T50P/nSTATUS       | G9                    | 90                    | NA                           | VCC3V3                | 91                    | hCONFIG               | H9                    | 92                    | NA                    | VCC3V3                |
| 93                    | NA                           | GND                   | 94                    | NA                           | GND                   | 95                    | NA                    | GND                   | 96                    | NA                    | GND                   |