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TECHNICAL SUPPORT

| <div>Compare</div> <div>Reset</div> | P/N       | Stock /<br>Order | Fanout | Input                                              | Output                        | Supply<br>Voltage(V) | Output<br>Voltage (V) | Max           |                        | Max<br>Prop<br>Delay<br>(ps) | Icc<br>(mA) | Max Within<br>Device Skew<br>(ps) | Options |     |     |              |             | Package  |
|-------------------------------------|-----------|------------------|--------|----------------------------------------------------|-------------------------------|----------------------|-----------------------|---------------|------------------------|------------------------------|-------------|-----------------------------------|---------|-----|-----|--------------|-------------|----------|
|                                     |           |                  |        |                                                    |                               |                      |                       | Freq<br>(GHz) | Data<br>Rate<br>(Gbps) |                              |             |                                   | OE      | RPE | FSI | Input<br>Mux | Input<br>EQ |          |
| <div></div>                         | PL138-48  | <div></div>      | 2:4    | /SSTL/HCSL<br>LVDS/LVPECL<br>/LVHSTL<br>/SSTL/HCSL | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 1.0           |                        | <890                         | 145         | 25                                | X       |     |     | X            |             | TSSOP-20 |
| <div></div>                         | PL138-58  | <div></div>      | 2:4    | LVC MOS                                            | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 0.26          |                        | <890                         | 165         | 25                                | X       |     |     | X            |             | 4x4      |
| <div></div>                         | PL138-98  | <div></div>      | 2:9    | LVDS/LVPECL<br>/LVHSTL<br>/SSTL/HCSL               | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 0.7           |                        | <890                         | 310         | 25                                | X       |     |     | X            |             | LQFP-32  |
| <div></div>                         | SY58608U  | <div></div>      | 1:2    | ANY                                                | LVDS                          | 2.5V                 | 2.5V                  | 2.0           | 3.2                    | <420                         | 55          | <20                               |         |     | X   |              |             | 3x3      |
| <div></div>                         | SY58606U  | <div></div>      | 1:2    | ANY                                                | CML                           | 2.5/3.3V             | 2.5/3.3V              | 2.5           | 4.25                   | <400                         | 60          | 15                                |         |     | X   |              |             | 3x3      |
| <div></div>                         | SY58607U  | <div></div>      | 1:2    | ANY                                                | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 2.5           | 3.2                    | <450                         | 40          | <20                               |         |     | X   |              |             | 3x3      |
| <div></div>                         | SY89311U  | <div></div>      | 1:2    | ECL/PECL<br>/LVPECL<br>/LVECL                      | ECL/PECL<br>/LVPECL<br>/LVECL | 2.5/3.3/5V           | 2.5/3.3/5V            | 3.0           |                        | <300                         |             | <20                               |         |     |     |              |             | 2x2      |
| <div></div>                         | SY89851U  | <div></div>      | 1:2    | ANY                                                | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 3.0           | 2.5                    | <340                         | 32          | <20                               |         |     |     |              |             | 3x3      |
| <div></div>                         | SY54011R  | <div></div>      | 1:2    | ANY                                                | CML                           | 2.5V                 | 1.2/1.8V              | 3.2           | 3.2                    | <300                         | 32          | 15                                |         |     |     |              |             | 3x3      |
| <div></div>                         | SY56011R  | <div></div>      | 1:2    | ANY                                                | CML                           | 2.5V                 | 1.2/1.8/2.5V          | 4.5           | 6.4                    | <280                         | 54          | 15                                |         |     |     |              | X           | 3x3      |
| <div></div>                         | SY58012U  | <div></div>      | 1:2    | ANY                                                | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 5.0           | 5.0                    | <260                         | 55          | 15                                |         |     |     |              |             | 3x3      |
| <div></div>                         | SY58013U  | <div></div>      | 1:2    | ANY                                                | RS-LVPECL                     | 2.5/3.3V             | 2.5/3.3V              | 6.0           | 10.7                   | <250                         | 75          | 15                                |         |     |     |              |             | 3x3      |
| <div></div>                         | SY58011U  | <div></div>      | 1:2    | ANY                                                | CML                           | 2.5/3.3V             | 2.5/3.3V              | 7.0           | 10.7                   | <250                         | 75          | 15                                |         |     |     |              | X           | 3x3      |
| <div></div>                         | SY89834U  | <div></div>      | 2:2    | ANY                                                | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 1.5           |                        | <900                         | 70          | <20                               |         | X   | X   | X            |             | 4x4      |
| <div></div>                         | SY89844U  | <div></div>      | 2:2    | ANY                                                | LVDS                          | 2.5V                 | 2.5V                  | 1.5           |                        | <900                         | 105         | <20                               |         | X   | X   | X            |             | 4x4      |
| <div></div>                         | SY89473U  | <div></div>      | 2:2    | ANY                                                | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 3.0           | 2.5                    | <600                         | 45          | <20                               |         |     |     | X            |             | 4x4      |
| <div></div>                         | SY89474U  | <div></div>      | 2:2    | ANY                                                | LVDS                          | 2.5V                 | 2.5V                  | 2.5           |                        | <550                         | 80          | <20                               |         |     |     | X            |             | 4x4      |
| <div></div>                         | SY89645L  | <div></div>      | 1:4    | LVC MOS/LVTTL                                      | LVDS                          | 3.3V                 | 3.3V                  | 0.65          |                        | <3000                        | 43          | <40                               |         |     |     |              |             | TSSOP-16 |
| <div></div>                         | SY89831U  | <div></div>      | 1:4    | ANY                                                | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 2.0           |                        | <390                         | 47          | <20                               |         |     |     |              |             | 3x3      |
| <div></div>                         | SY89832U  | <div></div>      | 1:4    | ANY                                                | LVDS                          | 2.5V                 | 2.5V                  | 2.0           |                        | <570                         | 75          | <20                               |         |     |     |              |             | 3x3      |
| <div></div>                         | SY89833AL | <div></div>      | 1:4    | ANY                                                | LVDS                          | 3.3V                 | 3.3V                  | 2.0           |                        | <600                         | 75          | <20                               |         |     |     |              |             | 3x3      |
| <div></div>                         | SY89833L  | <div></div>      | 1:4    | ANY                                                | LVDS                          | 3.3V                 | 3.3V                  | 2.0           |                        | <600                         | 75          | <20                               |         |     |     |              |             | 3x3      |
| <div></div>                         | SY89854U  | <div></div>      | 1:4    | ANY                                                | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 3.5           |                        | <340                         | 55          | <20                               |         |     |     |              |             | 3x3      |
| <div></div>                         | SY58021U  | <div></div>      | 1:4    | ANY                                                | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 4.0           | 5.0                    | <300                         | 125         | 15                                |         |     |     |              |             | 3x3      |

| Compare<br>Reset         | P/N                        | Stock /<br>Order                                                                    | Fanout | Input                         | Output                        | Supply<br>Voltage(V) | Output<br>Voltage (V) | Max           |                        | Max<br>Prop<br>Delay<br>(ps) | Icc<br>(mA) | Max Within<br>Device Skew<br>(ps) | Options |     |     |              |             | Package  |
|--------------------------|----------------------------|-------------------------------------------------------------------------------------|--------|-------------------------------|-------------------------------|----------------------|-----------------------|---------------|------------------------|------------------------------|-------------|-----------------------------------|---------|-----|-----|--------------|-------------|----------|
|                          |                            |                                                                                     |        |                               |                               |                      |                       | Freq<br>(GHz) | Data<br>Rate<br>(Gbps) |                              |             |                                   | OE      | RPE | FSI | Input<br>Mux | Input<br>EQ |          |
| <input type="checkbox"/> | <a href="#">SY56020R</a>   |    | 1:4    | ANY                           | CML                           | 2.5V                 | 1.2/1.8/2.5V          | 4.5           | 6.4                    | <280                         | 60          | 15                                | X       |     |     |              | X           | 3x3      |
| <input type="checkbox"/> | <a href="#">SY56020XR</a>  |    | 1:4    | ANY                           | CML                           | 2.5V                 | 1.2/1.8/2.5V          | 4.5           | 6.4                    | <300                         | 70          | 15                                | X       |     |     |              | X           | 3x3      |
| <input type="checkbox"/> | <a href="#">SY58022U</a>   |    | 1:4    | ANY                           | RS-LVPECL                     | 2.5/3.3V             | 2.5/3.3V              | 5.5           | 10                     | <250                         | 125         | 15                                |         |     |     |              |             | 3x3      |
| <input type="checkbox"/> | <a href="#">SY58020U</a>   |    | 1:4    | ANY                           | CML                           | 2.5/3.3V             | 2.5/3.3V              | 6.0           |                        | <250                         | 150         | 15                                |         |     |     |              |             | 3x3      |
| <input type="checkbox"/> | <a href="#">SY898535L</a>  |    | 2:4    | LVC MOS/LVTTL                 | LVPECL                        | 3.3V                 | 3.3V                  | 0.24          |                        | <1400                        | 55          | <30                               |         |     |     | X            |             | TSSOP-20 |
| <input type="checkbox"/> | <a href="#">SY898535XL</a> |    | 2:4    | XTAL/LVC MOS                  | LVPECL                        | 3.3V                 | 3.3V                  | 0.24          |                        | <1750                        | 60          | 30                                |         |     |     | X            |             | TSSOP-20 |
| <input type="checkbox"/> | <a href="#">SY898533L</a>  |    | 2:4    | Multiple                      | LVPECL                        | 3.3V                 | 3.3V                  | 0.65          |                        | <1400                        | 50          | <30                               |         |     |     | X            |             | TSSOP-20 |
| <input type="checkbox"/> | <a href="#">SY89834U</a>   |    | 2:4    | LVTTL                         | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 1.0           |                        | <500                         | 50          | <20                               |         |     |     | X            |             | 3x3      |
| <input type="checkbox"/> | <a href="#">SY89830U</a>   |    | 2:4    | ECL/PECL<br>/LVPECL<br>/LVECL | ECL/PECL<br>/LVPECL<br>/LVECL | 2.5/3.3/5V           | 2.5/3.3/5V            | 2.5           |                        | <450                         | 50          | <25                               |         |     |     | X            |             | TSSOP-16 |
| <input type="checkbox"/> | <a href="#">SY89846U</a>   |    | 2:5    | ANY                           | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 1.5           |                        | <900                         | 60          | <20                               | X       |     | X   | X            |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY89847U</a>   |    | 2:5    | ANY                           | LVDS                          | 2.5V                 | 2.5V                  | 1.5           |                        | <1000                        | 90          | <20                               | X       |     | X   | X            |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY89856U</a>   |    | 2:6    | ANY                           | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 3.0           |                        | <460                         | 90          | <30                               |         |     |     | X            |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY58035U</a>   |    | 2:6    | ANY                           | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 4.5           |                        | <230                         | 185         | <20                               |         |     |     | X            |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY58034U</a>   |    | 2:6    | ANY                           | CML                           | 2.5/3.3V             | 2.5/3.3V              | 6.0           |                        | <290                         | 245         | <20                               |         |     |     | X            |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY58036U</a>   |    | 2:6    | ANY                           | RS-LVPECL                     | 2.5/3.3V             | 2.5/3.3V              | 6.0           |                        | <300                         | 180         | <20                               |         |     |     | X            |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY56034AR</a>  |    | 2:6    | ANY                           | CML                           | 2.5V                 | 1.2/1.8/2.5V          | 5.0           | 6.4                    |                              | 100         | 25                                |         |     |     | X            |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY89200U</a>   |   | 1:8    | ANY                           | LVDS                          | 2.5V                 | 2.5V                  | 1.5           |                        | <900                         | 350         | <25                               |         |     |     |              |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY89202U</a>   |  | 1:8    | ANY                           | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 1.5           |                        | <930                         | 125         | <25                               |         |     |     |              |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY89858U</a>   |  | 1:8    | ANY                           | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 3.0           |                        | <380                         | 95          | <30                               |         |     |     |              |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY58032U</a>   |  | 1:8    | ANY                           | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 4.0           |                        | <330                         | 190         | <20                               |         |     |     |              |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY58031U</a>   |  | 1:8    | ANY                           | CML                           | 2.5/3.3V             | 2.5/3.3V              | 5.0           |                        | <270                         | 265         | <20                               |         |     |     |              |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY58033U</a>   |  | 1:8    | ANY                           | RS-LVPECL                     | 2.5/3.3V             | 2.5/3.3V              | 5.5           |                        | <280                         | 180         | <20                               |         |     |     |              |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY89837U</a>   |  | 2:8    | ANY                           | LVPECL                        | 2.5/3.3V             | 2.5/3.3V              | 1.5           |                        | <975                         | 115         | <40                               |         | X   | X   | X            |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY89838U</a>   |  | 2:8    | ANY                           | LVDS                          | 2.5V                 | 2.5V                  | 1.5           |                        | <950                         | 250         | <40                               |         | X   | X   | X            |             | 5x5      |
| <input type="checkbox"/> | <a href="#">SY89808L</a>   |  | 2:9    | LVPECL/HSTL                   | HSTL                          | 3.3V                 | 3.3V                  | 0.5           |                        | <1200                        | 80          | <400                              | X       |     |     | X            |             | TQFP-32  |
| <input type="checkbox"/> | <a href="#">SY89809L</a>   |  | 2:9    | LVPECL/HSTL                   | HSTL                          | 3.3V                 | 3.3V                  | 0.5           |                        | <1275                        | 115         | <200                              | X       |     |     | X            |             | TQFP-32  |
| <input type="checkbox"/> | <a href="#">SY89809AL</a>  |  | 2:9    | LVPECL/HSTL                   | HSTL                          | 1.8/3.3V             | 1.8/3.3V              | 0.75          |                        | <1070                        | 65          | 15                                | X       |     |     | X            |             | TQFP-32  |