Ethernet RJ45(/cookbook/Ethernet-RJ45)

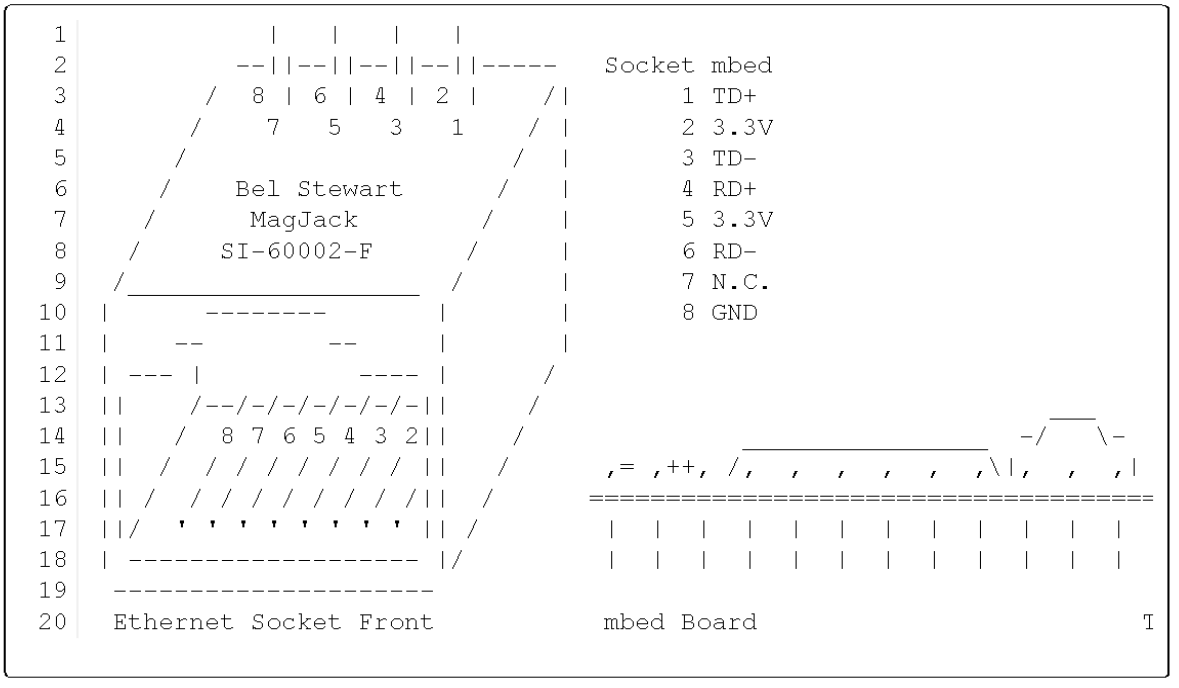
Hardware

Table of Contents

1. Hardware

This is the standard RJ45 pinout for Ethernet(Ethernet) MDI(http://en.wikipedia.org/wiki/Medium_dependent_interface) Jack. To make it easier, Sparkfun offers a RJ45 Breakout Board(http://www.sparkfun.com/commerce/product_info.php?products_id=716). the following is for a specific magjack but for all straight through jacks see next section.

Example Bel Stewart MagJack SI-60002-F(http://www.belfuse.com/Data/Datasheets/SI-60002-F.pdf) (no LEDs) and SI-50196-F(http://www.belfuse.com/Data/Datasheets/SI-50196-F.pdf) (has LEDs)



Straight jacks (No Built-In Magnetics) MDI(http://en.wikipedia.org/wiki/Medium_dependent_interface) interface:

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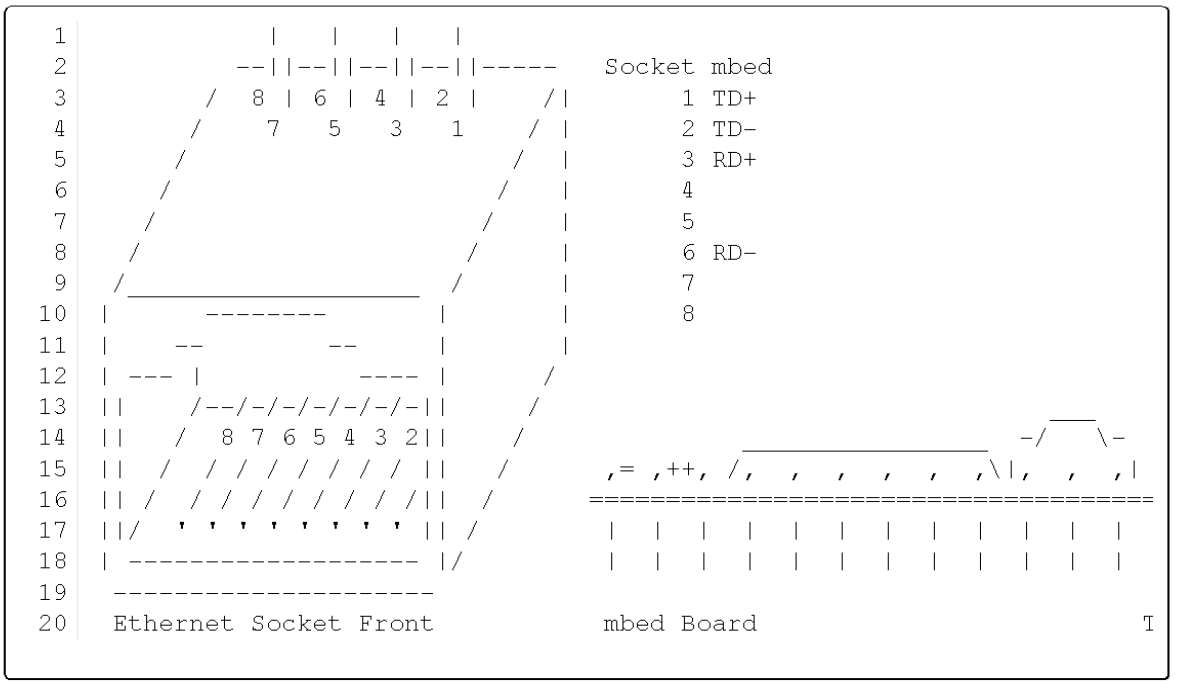
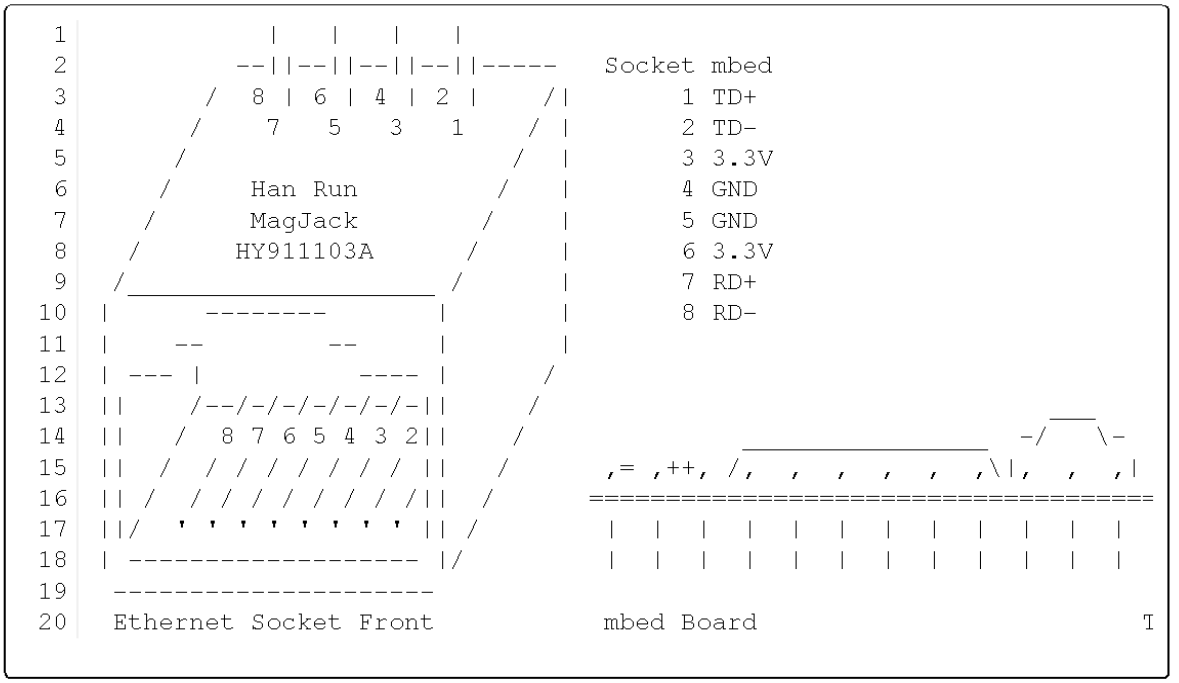


Please note that other brands and references might not match the above, as is the case with Han Run HY911103A(http://www.es.co.th/Schemetic/PDF/HY911103A.PDF)



Please note that other brands and references might not match the above, as is the case with Han Run HR911105A(http://www.terraelectronica.ru/pdf/HANRUN/HR911105A.pdf) and ERNI 203198(http://www.erni-x-press.com/de/downloads/zeichnungen/203198.pdf) (has LEDs)

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Compiler Erro 7(/cookbook /Compiler- Error-7)
Compiler Erro 254(/cookboo /Compiler- Error-254)
Compiler Erro 333(/cookboo /Compiler- Error-333)
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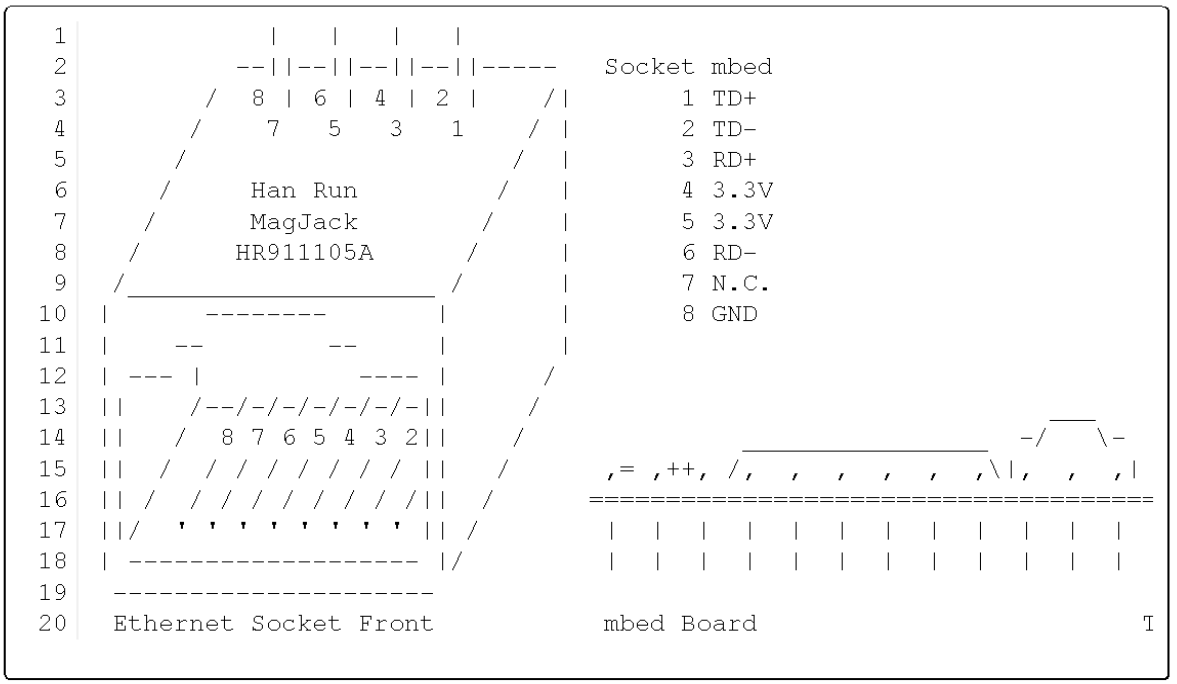
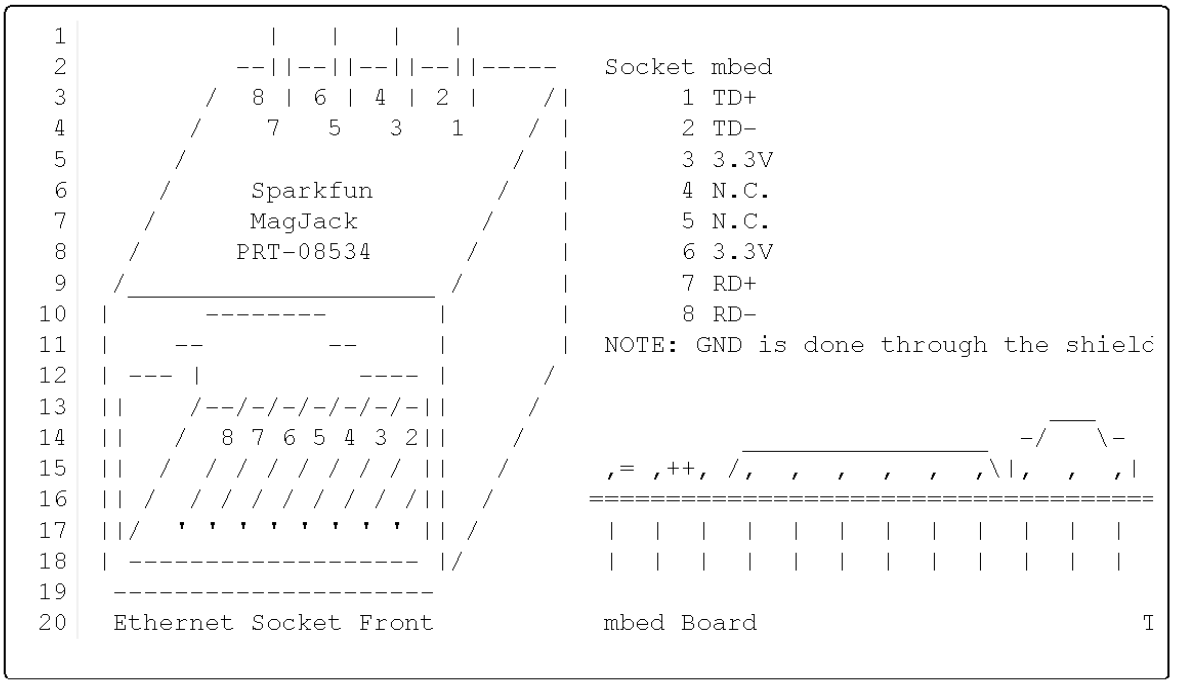


Please note that other brands and references might not match the above, as is the case with Sparkfun PRT-08534(http://www.sparkfun.com/datasheets/Prototyping/MagJack.pdf)



All wikipages (/cookbook/Special:Allwikipages)

Discussion topics

Nothing here yet!

Questions

Nothing here yet!

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^ back to top