













| Mod | эN | lum | bers | 5 | | | | | |
|--------------------------------------|--------------------------|--|-----------------------------|--|---|-----------------------|--------------------|--------------------|----------------------------------|
| • The co modes conver order | mb wh ntio bit. | ination nich ar n, with ARM base is the inve | ns of p e comi n CPOL | olarity and monly num as the high ontrollers (PHA) | phases are o bered accord h order bit an oth | ften ing 1 d CF | ref to t PHA | erre he f as | ed to as following the low |
| SPI | node C | Clock polarity | Clock phase | Clock edge | | Mode | CPOL | СРНА | |
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| 1 | 0 | | 1 | 0 | | 1 | 0 | 1 | |
| | - | | 0 | 1 | | 2 | 1 | 0 | |
| 2 | | | | | | | | 1 K | |































New Terminology

- The terms "Master" and "Slave" have been used for decades in communication systems but, for obvious reasons, these terms are being replaced, albeit very slowly.
- Professional organizations, like IEEE discussing updating standards to change these names. One effort is $\underline{\text{IEEE P1588g}}$
- Some suggested terms are: Controller / Responder, Primary / Secondary, Leader / Follower
- A good article on this can be found at <u>https://www.allaboutcircuits.com/news/how-master-slave-terminology-</u> <u>reexamined-in-electrical-engineering/</u>

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References • https://en.wikipedia.org/wiki/Serial_Peripheral_Interface • https://rophoenixmakerevolution.files.wordpress.com/2015/09/i2c1. pt • https://www.allaboutcircuits.com/news/how-master-slaveterminology-reexamined-in-electrical-engineering/