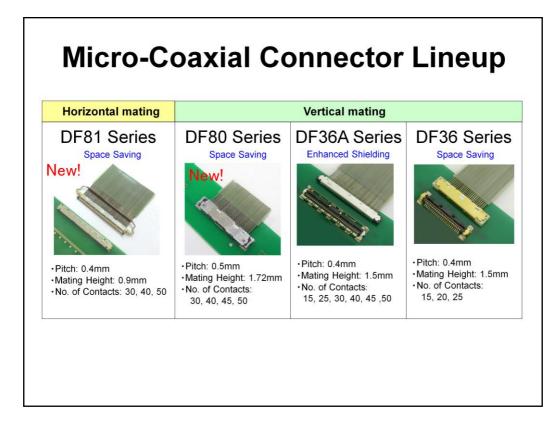
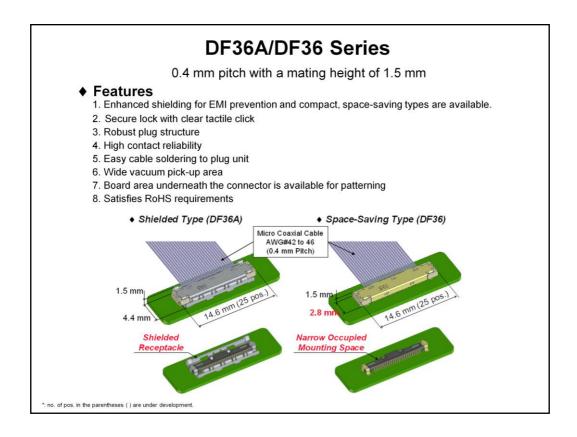


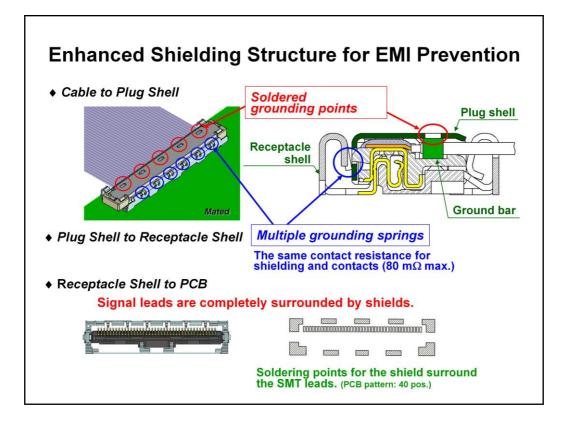
Welcome to the Hirose Micro-Coaxial Connector Product Training Module (PTM). This module is intended to introduce the various connectors manufactured by Hirose and to discuss some of the features and construction.



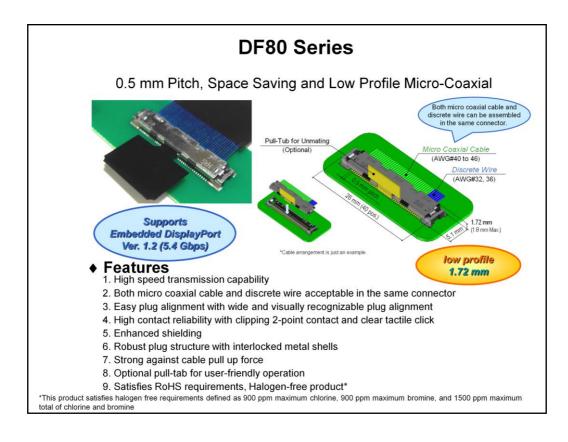
The series that will be reviewed in this training module are the DF81 series which is a 0.4mm pitch connector with a mated height of 0.9mm. The DF80 series which has a 0.5mm pitch and 1.72mm mated height, the DF36 and DF36A which both have a 0.4mm pitch and 1.5mm mating height.



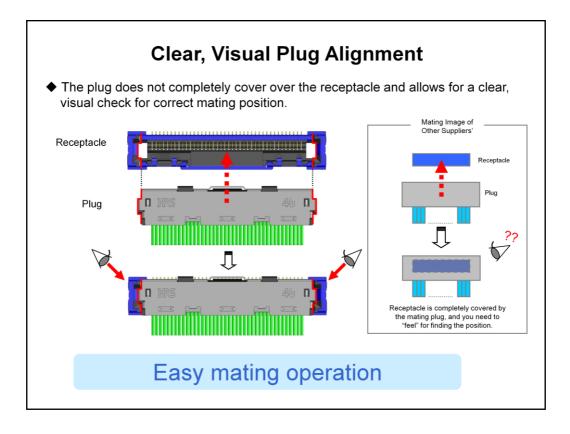
The DF36A series has enhanced shielding for EMI prevention. The non-shielded DF36 series has a space saving width of 2.8mm. Both have a secure lock with clear tactile click and are robust in structure. Board area underneath the connector is available for patterning.



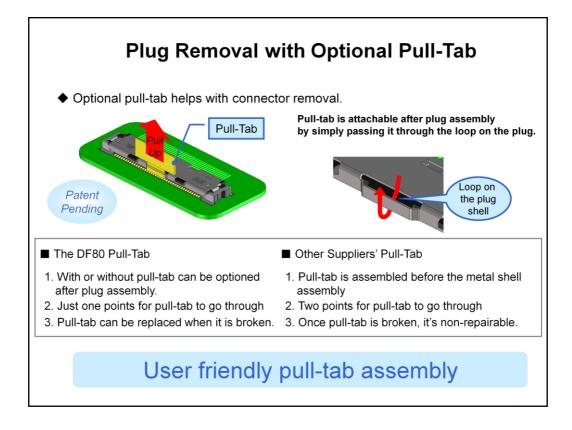
The enhanced shielding of the DF36A has multiple grounding springs and soldered grounding points. The signal leads are completely surrounded by the shields.



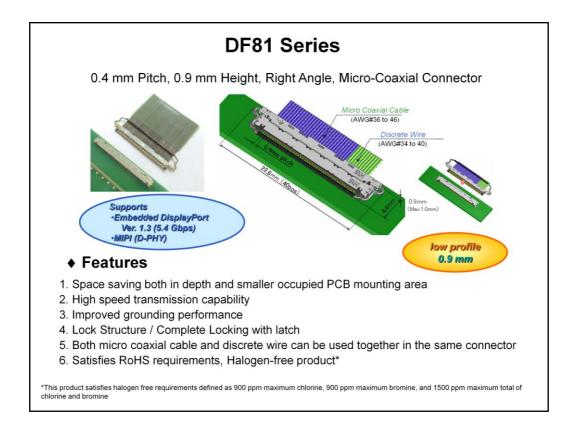
The DF80 series has high speed transmission capability and supports Embedded DisplayPort Ver. 1.2 (5.4 Gbps). The same connector will accept both micro coaxial and discrete wires. It has high contact reliability with clipping 2-point contact and a clear tactile click. This series satisfies RoHS requirements and is a Halogen-free product.



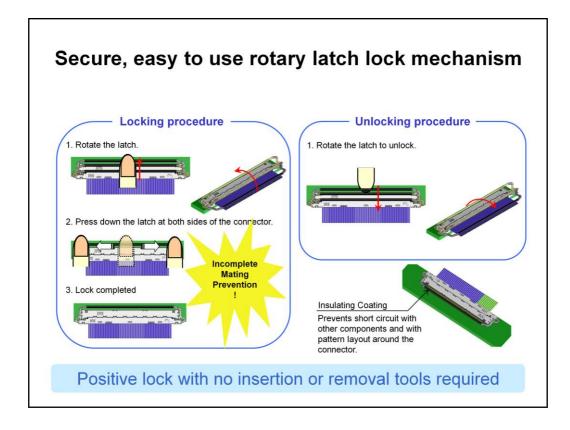
The plug does not completely cover over the receptacle, which allows for a clear visual recognition in confirming a correctly mated condition.



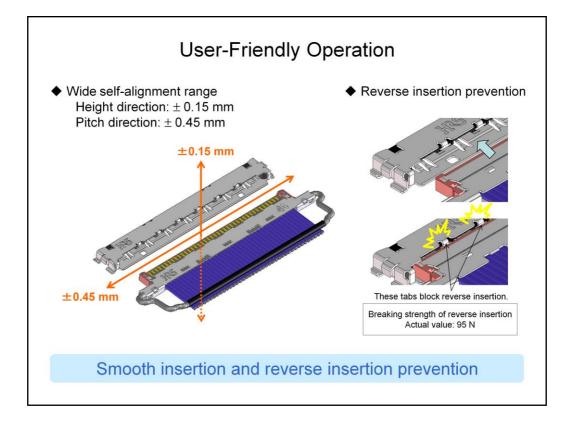
The optional pull-tab helps with connector removal. The pull-tab is attachable after plug assembly by simply passing it through the loop on the plug shell as shown here.



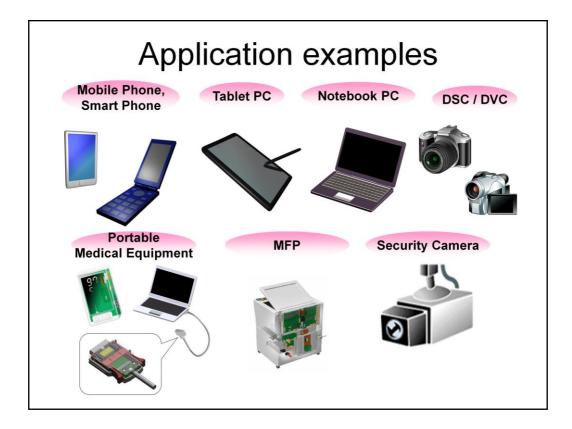
The DF81 series is a 0.4mm pitch, 0.9mm height, horizontal mating micro-coaxial connector with rotary latch. This series supports Embedded DisplayPort Ver. 1.3, (5.4 Gbps). Both micro coaxial cable and discrete wire can be used together in the same connector. Satisfies RoHS requirements and is a Halogen-free product.



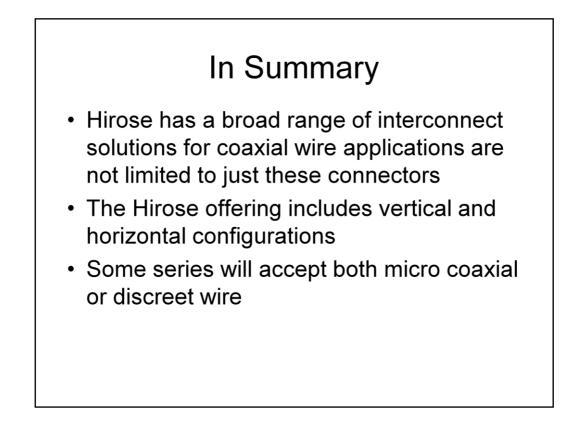
The DF81 series features a rotary latch that is secure and easy to use. Positive locking is accomplished with no special insertion or removal tools.



The series offers a wide self-alignment range and has reverse insertion prevention.



The DF36, DF36A, DF80 and DF81 series has a wide range of applications that include; portable medical equipment, security camera, tablet PCs and mobile and smart phones.



In summary, Hirose has a broad range of interconnect solutions for micro coax applications that feature low profiles and either vertical or horizontal mating styles. Several series have multiple pin count options available and all connectors are RoHS compliant. Thank you.