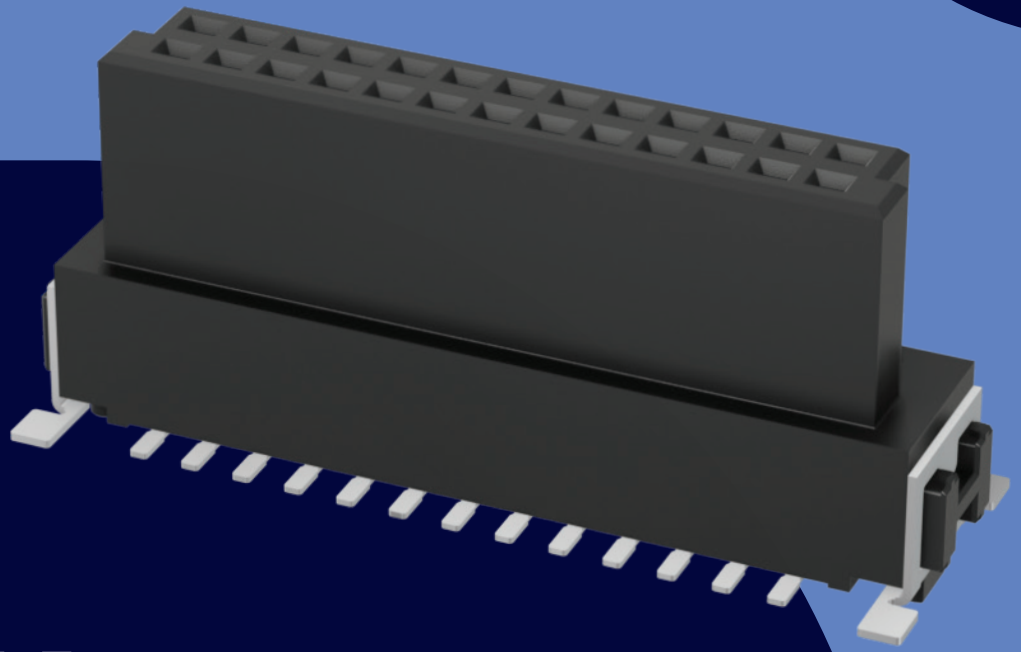
HARWiN

CONNECT TECHNOLOGY
WITH CONFIDENCE

BBi
RANGE



KONTROL

INDUSTRIAL CONNECTORS

DURABLE HIGH PERFORMANCE 1.27MM (.05”) PITCH

WWW.HARWIN.COM

HARWiN

KONTROL

BBi RANGE

BBi CONNECTORS FROM HARWIN.

DURABILITY AND HIGH PERFORMANCE ON 1.27MM (.05”) PITCH

Capable industrial-grade connection with complete flexibility. Reliable and space-saving connections, polarized and protected for automated manufacturing and fault-free assembly.

Kontrol is designed to withstand the demands of industrial applications with a fully flexible connection. The double row board-to-board mating performs from fully mated to 1.5mm separation, giving a full range of mating heights from 8mm to 20mm parallel board separation.

With horizontal PCB connectors and IDC cable connectors, Kontrol can be used for edge-to-edge, motherboard-to-daughterboard and cable-to board. Mated double row connectors can carry a data rate up to 3Gb/s.

Gull-wing SMT terminations allow easy solder inspection, and additional SMT hold-downs increase the board peel strength.

12 to 80 contacts in a double-row layout, 2 to 12 for single-row. Polarized housings assist with error-free assembly, fully shrouded when mated to protect against accidental damage. Suitable for blind mating connection.

Packaged in tape and reel (with additional pick and place where required) for full assembly automation.

FEATURES

- Robust and fully shrouded, withstands lateral and twisting forces on mating
- Polarized housings for error-free assembly
- Supplied in tape & reel for high volume surface mount assembly

APPLICATIONS

- Embedded computing
- Factory automation
- Battery management
- Handheld monitoring

VIEW FULL SERIES & SPECIFICATIONS **HERE**

BBi RANGE

KONTROL

SPECIFICATIONS

MATERIALS	ELECTRICAL	MECHANICAL	ENVIRONMENTAL
Housings: **High Temperature Thermoplastic, UL94V-0**	Current per contact: **1.2A max (PCB, single row cable)** **0.5A max (double row cable)**	Durability: **500 operations**	Operating temperature: **-55°C to +125°C (PCB)** **-20°C to +105°C (cable)**
Contacts: **Copper Alloy**	Working voltage: **100V AC**	Insertion force (per contact): **0.8N max**	Vibration resistance: **20G (196m/s²) for 12 hrs**
Contact Finish: **Gold on contact area,** **Tin on termination**	Maximum voltage: **500V AC**	Withdrawal force (per contact): **0.2N min**	Humidity: **90-95% RH for 96 hours**
SMT Retention Tabs: **Brass, Tin finish**	Data rate: **Up to 3Gb/s (double row)**	Pitch: **1.27mm (.05")**	Compliance: **RoHS Compliant** **REACH / CMRT statements**
Cable: **PVC to UL2678, 30 AWG (double row)** **PVC to UL2678, 26 AWG (single row)**	Insulation resistance: **1GΩ min**	Board-to-Board height (vertical): **8mm to 20mm (double row)**	

Specifications are subject to change.

VIEW FULL SERIES & SPECIFICATIONS **HERE**

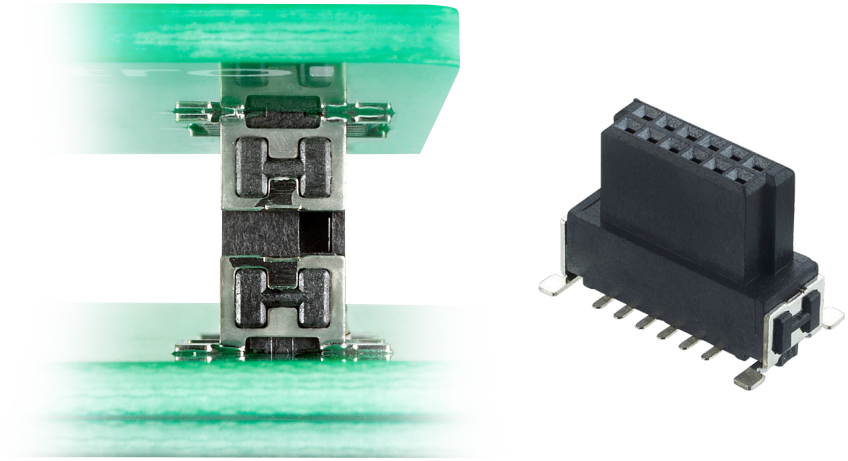
BBi RANGE

KONTROL

PRODUCT CATEGORIES

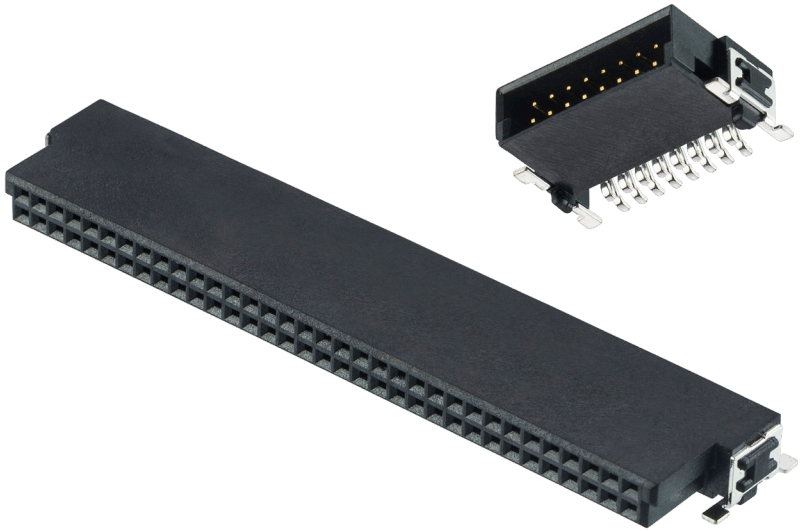
VERTICAL SMT CONNECTORS

Fully shrouded & polarized, SMT hold-down solder tabs and location pegs. Supplied in Tape and Reel ready for automated placement. 3 heights available for male and female double row connectors, with performance maintained at up to 1.5mm separation from fully mated. Total board-to-board range possible is 8mm to 20mm. Vertical male also available in single row.



HORIZONTAL SMT CONNECTORS

Fully shrouded & polarized, SMT hold-down solder tabs and location pegs. Supplied in Tape and Reel ready for automated placement, no pick and place caps required. Ideal for edge-to-edge co-planar PCB mating, or use with a vertical mating connector for daughterboard connection. Available in both double and single row styles.



Specifications are subject to change.

VIEW FULL SERIES & SPECIFICATIONS **HERE**

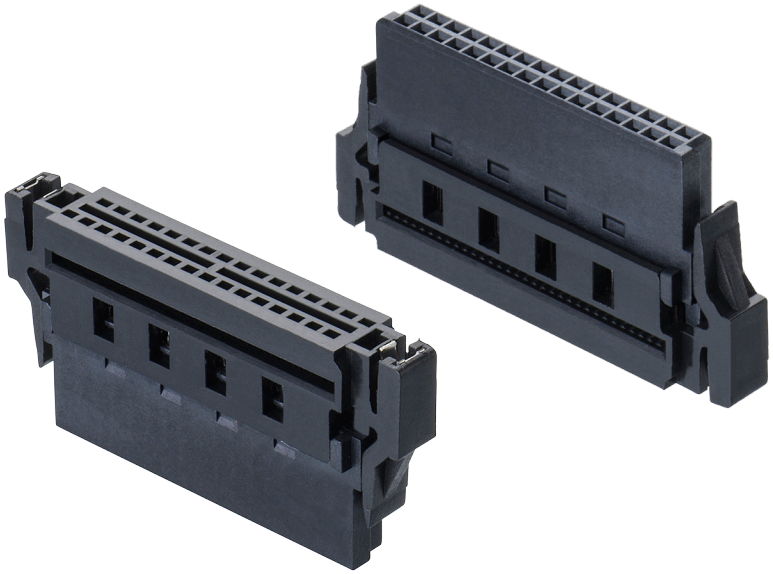
BBi RANGE

KONTROL

PRODUCT CATEGORIES

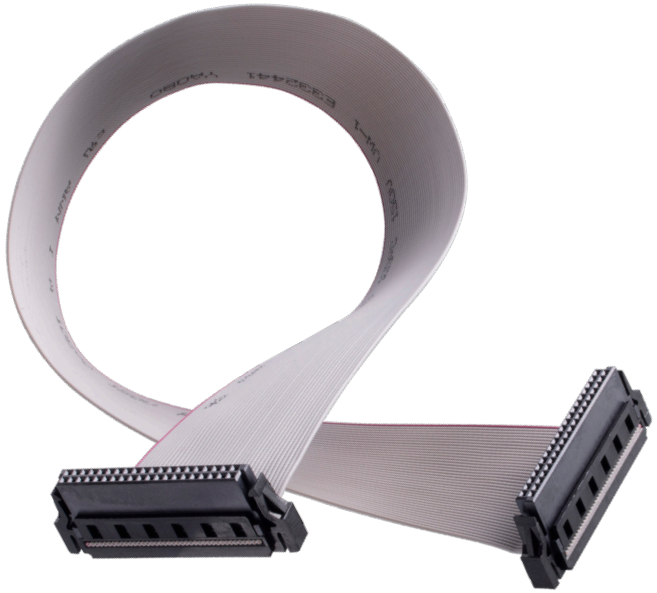
FEMALE CABLE CONNECTORS

Shrouded and polarized double row connectors, with added latches for strain relief and security when mated. IDC connection for easy cable assembly (tooling available). Compatible with 30AWG ribbon cable.



FEMALE CABLE ASSEMBLIES

Double-ended, fully assembled and available in cable lengths of 150mm or 300mm, using the female IDC cable connectors. Eliminates the additional expense of tooling and training – great for prototyping and volume production. Double row available in female-to-female, single row in both female-to-female and male-to-male.



Specifications are subject to change.

VIEW FULL SERIES & SPECIFICATIONS **HERE**

BBi RANGE

KONTROL

DOWNLOADS

TECHNICAL DOCUMENTS

Component Specification (including pin numbering system)

PRODUCT TRAINING

Product Training Module (PTM)

TEST REPORTS

HT060 – Kontrol General Testing

HT064 - Kontrol Comparison Testing

Specifications are subject to change.

VIEW FULL SERIES & SPECIFICATIONS **HERE**

HARWiN

CONNECT TECHNOLOGY
WITH CONFIDENCE

HRi RANGE

BBi RANGE

EZi RANGE

FOR FURTHER INFORMATION PLEASE CONTACT:

SUPPORT@HARWIN.COM