KUM PRODUCTS GUIDE

Technology & Innovation for the Happiness

ELECTRIC CONNECTOR
AUTOMOTIVE CONNECTOR
SOLDERLESS TERMINAL

KUM CO., LTD.
www.ikum.kr

WELCOME TO KUM

INTRODUCTION
TABLE OF CONNECTOR SERIES
WATERPROOF CONNECTORS
NON-WATERPROOF CONNECTORS
THE OTHER CONNECTORS
INDEX OF PART NO.

WATERPROOF CONNECTORS

Table of Connector Series

TERMINAL SIZE	CONNECTOR TYPE	SPECIFICATIONS / MATERIAL
025	**TWP**	Applicable Wire : 0.13 ~ 0.5mm² Housing Lock Strength : 78N(8kgf) Above Permissible Current : 5A Waterproof Capability : 0.5Kgf/cm² Above(Duration) Housing : P.B.T Terminal Male : Brass Female : Copper Alloy / ∥Copper Alloy Seal : Si Rubber
040	**CWP**	Applicable Wire : 0.13 ~ 0.5mm² Housing Lock Strength : 78N(8kgf) Above Permissible Current : 5A Waterproof Capability : 0.5Kgf/cm² Above(Duration) Housing : P.B.T Terminal Male : None Female : Copper Alloy Seal : Si Rubber
050	**VWP**	Applicable Wire : 0.85 ~ 1.25mm² Housing Lock Strength : 98N(10kgf) Above Permissible Current : 10A Waterproof Capability : 0.5Kgf/cm² Above(Duration) Housing : PA66+GF Terminal Male : None Female : Copper Alloy Seal : Si Rubber
060	**AWP**	Applicable Wire : 0.13 ~ 1.25mm² Housing Lock Strength : 98N(10kgf) Above Permissible Current : 10A Waterproof Capability : 0.5Kgf/cm² Above(Duration) Housing : P.B.T Terminal Male : Brass Female : Copper Alloy Seal : Si Rubber
	62 Z	Applicable Wire : 0.2 ~ 0.85mm² Housing Lock Strength : 98N(10kgf) Above(Duration) Permissible Current : 6A Waterproof Capability : 0.5Kgf/cm² Above Housing : P.B.T Terminal Male : Copper Alloy Female : Copper Alloy Seal : Si Rubber
090	**XWP**	Applicable Wire : 0.3 ~ 2.0mm² Housing Lock Strength : 98N(10kgf) Above Permissible Current : 10A Waterproof Capability : 0.5Kgf/cm² Above(Duration) Housing : P.B.T Terminal Male : Copper Alloy Female : Copper Alloy Seal : Si Rubber

WATERPROOF CONNECTORS

Table of Connector Series

TERMINAL SIZE	CONNECTOR TYPE	SPECIFICATIONS / MATERIAL			
090	**RS**	Applicable Wire		:	0.3 ~ 2.0mm²
		Housing Lock Strength		:	98N(10kgf) Above
		Permissible Current		:	10A
		Waterproof Capability		:	0.5Kgf/cm² Above(Duration)
		Housing		:	P.B.T
		Terminal	Male	:	Copper Alloy
			Female	:	Copper Alloy
		Seal		:	Si Rubber
	WMC	Applicable Wire		:	0.3 ~ 2.0mm²
		Housing Lock Strength		:	98N(10kgf) Above
		Permissible Current		:	10A
		Waterproof Capability		:	0.5Kgf/cm² Above(Duration)
		Housing		:	P.B.T
		Terminal	Male	:	None
			Female	:	Copper Alloy
		Seal		:	Si Rubber
	NMWP	Applicable Wire		:	0.22 ~ 2.0mm²
		Housing Lock Strength		:	98N(10kgf) Above
		Permissible Current		:	10A
		Waterproof Capability		:	0.5Kgf/cm² Above(Duration)
		Housing		:	P.B.T
		Terminal	Male	:	Copper Alloy
			Female	:	Copper Alloy
		Seal		:	Si Rubber
	NDWP	Applicable Wire		:	0.22 ~ 2.0mm²
		Housing Lock Strength		:	98N(10kgf) Above
		Permissible Current		:	10A
		Waterproof Capability		:	0.5Kgf/cm² Above(Duration)
		Housing		:	P.B.T
		Terminal	Male	:	Copper Alloy
			Female	:	Copper Alloy
		Seal		:	Si Rubber
110	**WWP**	Applicable Wire		:	0.3 ~ 2.0mm²
		Housing Lock Strength		:	98N(10kgf) Above
		Permissible Current		:	12A
		Waterproof Capability		:	0.5Kgf/cm² Above(Duration)
		Housing		:	P.B.T
		Terminal	Male	:	Brass
			Female	:	Copper Alloy
		Seal		:	Si Rubber
	JFC	Applicable Wire		:	0.3 ~ 2.0mm²
		Housing Lock Strength		:	98N(10kgf) Above
		Permissible Current		:	10A
		Waterproof Capability		:	0.5Kgf/cm² Above(Duration)
		Housing		:	P.B.T
		Terminal	Male	:	None
			Female	:	Phosphor Bronze
		Seal		:	Si Rubber

WATERPROOF CONNECTORS

Table of Connector Series

TERMINAL SIZE	CONNECTOR TYPE	SPECIFICATIONS / MATERIAL		
187	**RW**	Applicable Wire		: 0.3 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 25A
		Waterproof Capability		: 0.5Kgf/cm² Above(Duration)
		Housing		: P.B.T
		Terminal	Male	: Copper Alloy
			Female	: Copper Alloy
		Wire Seal		: Si Rubber
312	**WV**	Applicable Wire		: 3.0 ~ 8.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 40A
		Waterproof Capability		: 0.5Kgf/cm² Above(Duration)
		Housing		: P.B.T
		Terminal	Male	: Copper Alloy
			Female	: Copper Alloy+ Copper Alloy
		Wire Seal		: Si Rubber
02511	**HYBRID**	Applicable Wire		: 0.22 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A / 25A
		Waterproof Capability		: 0.5Kgf/cm² Above(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass / 025II Copper Alloy
			Female	: Copper Alloy
		Wire Seal		: Si Rubber
0250625	**HYBRID**	Applicable Wire		: 0.13 ~ 5.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A / 10A / 35A
		Waterproof Capability		: 0.5Kgf/cm² Above(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass / 025II Copper Alloy
			Female	: Copper Alloy
		Wire Seal		: Si Rubber
06011	**HYBRID**	Applicable Wire		: 0.22 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 10A / 25A
		Waterproof Capability		: 0.5Kgf/cm² Above(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass
			Female	: Copper Alloy
		Wire Seal		: Si Rubber

NON-WATERPROOF CONNECTORS

Table of Connector Series

TERMINAL SIZE	CONNECTOR TYPE	SPECIFICATIONS / MATERIAL		
020	**ES**	Applicable Wire		: 0.13 ~ 0.22mm²
		Housing Lock Strength		: 78N(8kgf) Above
		Permissible Current		: 2A
		Voltage Drop		: 10.0mV/amp(initial)
				: 20.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: None
			Female	: Copper Alloy
025	**MMC**	Applicable Wire		: 0.13 ~ 0.5mm²
		Housing Lock Strength		: 78N(8kgf) Above
		Permissible Current		: 5A
		Voltage Drop		: 10.0mV/amp(initial)
				: 20.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass / Copper Alloy
			Female	: Copper Alloy
040	**HSC**	Applicable Wire		: 0.13 ~ 0.5mm²
		Housing Lock Strength		: 78N(8kgf) Above
		Permissible Current		: 5A
		Voltage Drop		: 10.0mV/amp(initial)
				: 20.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Copper Alloy
			Female	: Copper Alloy
	040III	Applicable Wire		: 0.13 ~ 0.5mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A
		Voltage Drop		: 5.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Copper Alloy
			Female	: Copper Alloy
050	**CDR**	Applicable Wire		: 0.13 ~ 1.25mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A
		Voltage Drop		: 5.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass
			Female	: Copper Alloy
060	**NIC**	Applicable Wire		: 0.13 ~ 1.25mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 10A
		Voltage Drop		: 5.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass
			Female	: Copper Alloy

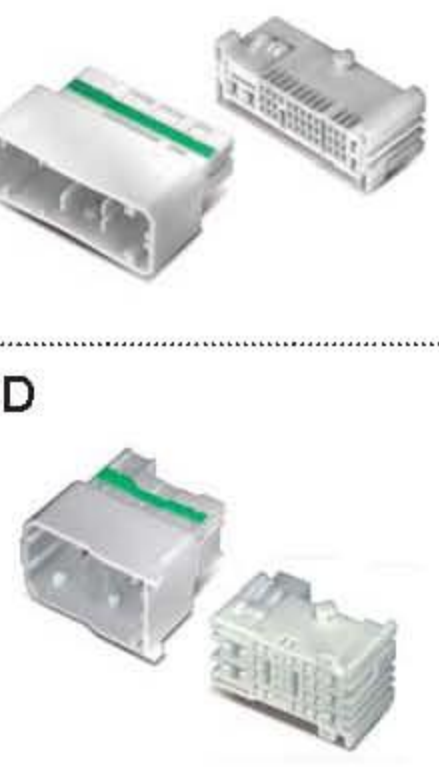
NON-WATERPROOF CONNECTORS

Table of Connector Series

TERMINAL SIZE	CONNECTOR TYPE	SPECIFICATIONS / MATERIAL		
090	**AR**	Applicable Wire		: 0.3 ~ 2.5mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 10A
		Voltage Drop		: 3.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Copper Alloy
			Female	: Copper Alloy
	CS	Applicable Wire		: 0.3 ~ 2.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 10A
		Voltage Drop		: 3.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Copper Alloy
			Female	: Copper Alloy
	CSN	Applicable Wire		: 0.3 ~ 2.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 10A
		Voltage Drop		: 3.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Copper Alloy
			Female	: Copper Alloy
110	**NSC**	Applicable Wire		: 0.3 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 25A
		Voltage Drop		: 3.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass
			Female	: Copper Alloy
250	**NHC**	Applicable Wire		: 0.5 ~ 5.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 35A
		Voltage Drop		: 3.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass
			Female	: Copper Alloy
	DSD	Applicable Wire		: 0.3 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 20A
		Voltage Drop		: 3.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.P
		Terminal	Male	: Brass
			Female	: Brass

NON-WATERPROOF CONNECTORS

Table of Connector Series

TERMINAL SIZE	CONNECTOR TYPE	SPECIFICATIONS / MATERIAL		
312	**NDSD**	Applicable Wire		: 0.3 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 20A
		Voltage Drop		: 3.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.P
		Terminal	Male	: Brass
			Female	: Copper Alloy
02506	**NV**	Applicable Wire		: 3.0 ~ 8.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 20A
		Voltage Drop		: 3.0mV/amp(initial)
				: 10.0mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Copper Alloy
			Female	: Copper Alloy+Copper Alloy
0250611	**HYBRID**	Applicable Wire		: 0.13 ~ 1.25mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A / 10A
		Voltage Drop		: 10 / 5mV/amp(initial)
				: 20 / 10mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass / 025II Copper Alloy
			Female	: Copper Alloy
025061125	**HYBRID** 	Applicable Wire		: 0.13 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A / 10A / 25A
		Voltage Drop		: 10 / 5 / 3mV/amp(initial)
				: 20 / 10 / 10mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass / 025II Copper Alloy
			Female	: Copper Alloy
0250625	**HYBRID**	Applicable Wire		: 0.13 ~ 5.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A / 10A / 25A / 35A
		Voltage Drop		: 10 / 5 / 3 / 3mV/amp(initial)
				: 20 /10 /10/10mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass / 025II Copper Alloy
			Female	: Copper Alloy
0250625	**HYBRID**	Applicable Wire		: 0.13 ~ 5.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A / 10A / 35A
		Voltage Drop		: 10 / 5 / 3mV/amp(initial)
				: 20 / 10 / 10mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass / 025II Copper Alloy
			Female	: Copper Alloy

NON-WATERPROOF CONNECTORS

Table of Connector Series

TERMINAL SIZE	CONNECTOR TYPE	SPECIFICATIONS / MATERIAL		
02511	**HYBRID**	Applicable Wire		: 0.13 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A / 25A
		Voltage Drop		: 10 / 3mV/amp(initial)
				: 20 / 10mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass / 025II Copper Alloy
			Female	: Copper Alloy
06011	**HYBRID**	Applicable Wire		: 0.13 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 10A / 25A
		Voltage Drop		: 5 / 3mV/amp(initial)
				: 10 / 10mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass
			Female	: Copper Alloy
06025	**HYBRID**	Applicable Wire		: 0.13 ~ 5.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 10A / 35A
		Voltage Drop		: 5 / 3mV/amp(initial)
				: 10 / 10mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass
			Female	: Copper Alloy
2504	**HYBRID**	Applicable Wire		: 0.13 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A / 20A
		Voltage Drop		: 5 / 3mV/amp(initial)
				: 10/10mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Copper Alloy
			Female	: Copper Alloy
0250611	**DOOR CONNECTOR**	Applicable Wire		: 0.13 ~ 3.0mm²
		Housing Lock Strength		: 98N(10kgf) Above
		Permissible Current		: 5A / 10A / 25A
		Voltage Drop		: 10 / 5 / 3mV/amp(initial)
				: 20/10/10mV/amp(Duration)
		Housing		: P.B.T
		Terminal	Male	: Brass / 025II Copper Alloy
			Female	: Copper Alloy

THE OTHERS PRODUCT & CLIP

Lamp Socket, Cable Tie, Clip, etc.

CONNECTOR TYPE	SPECIFICATIONS / MATERIAL
LAMP CONNECTOR	◌ FRONT LAMP ◌ TURN SIGNAL LAMP ◌ POSITION LAMP ◌ HEAD LAMP ◌ REAR LAMP ◌ LICENSE LAMP ◌ SIDE REPEAT LAMP ◌ FOG LAMP ◌ POSITION SOCKET LAMP ◌ HIGH MOUNT STOP LAMP
SHIELD CABLE	
BAND CABLE	◌ HOLE TYPE ◌ HOLE TYPE(Water-proof) ◌ SLOT TYPE ◌ SLOT TYPE(Water-proof) ◌ BOLT TYPE ◌ etc.
CONNECTOR CLIP TYPE	
WIRE CLIP	◌ HOLE TYPE ◌ SLOT TYPE ◌ SLOT TYPE(Water-proof) ◌ BOLT TYPE ◌ etc.
PS SERIES	◌ PCB(SMT)

THE OTHERS PRODUCT

ITEM	SPECIFICATIONS /MAIN FEATURES
JOINT CONNECTOR	**WATERPROOF** ◌ TWP(025 SERIES) ◌ HYBRID(02506 SERIES) **NON-WATERPROOF** ◌ MMC(025 SERIES) ◌ CDR(050 SERIES) ◌ NIC(060 SERIES) ◌ HYBRID(02506 SERIES)
PAS	
FOT	
PCB / LCD CONNECTOR	◌ DIGITAL CLOCK ◌ AUDIO
WIPER MOTOR COVER	
BOX TYPE	◌ JUNCTION BOX TYPE ◌ FUSE BOX TYPE ◌ FUSE & RELAY BOX TYPE ◌ RELAY BOX TYPE

THE OTHERS PRODUCT

ITEM		SPECIFICATIONS/MAIN FEATURES
80A		◌ Pole : 3P / Unit(Male) Side ◌ Voltage : DC 600V ◌ Current : 80A ◌ Wire Size : 15mm² ◌ Shield Efficiency : 40dB Above - Electromagnetically shielded connector - Contact reliability ensured by using multi-contact spring terminal - Bolt on module side connector - No separate drain wires required for grounding EMI induced current
FPC		

INDEX OF PART NO.