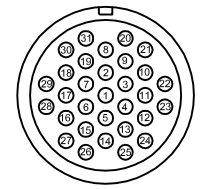


31 position ISUZU Interface connector
Wire Insertion View
Deutsch 31 PIN
HDP24-24-31SE



31 PIN Deutsch Interface Connector ISUZU Mating connector Part# Deutsch HDP26-24-31PE-LO17	
4: START SW INPUT	17: ACCEL RTN
3: IGNITION SW INPUT	18: ACCEL SHLD
2: Battery +	19: PVW(1)
1: Battery GND	20: IS-REG
9: CAN2 - L	21: IS-AC
8: CAN2 - H	22: NOT USED
5: IS-IDLMNL	23: OS-DIAGL
6: SPEED INC	24: OS-FIPRESSL
7: SPEED DEC	25: OS-BOOSTL
10: MODE MAP 0	26: OS-OVHL
11: MODE MAP 1	27: OS-OILPL
12: MODE MAP 2	28: OS-TLHL
13: PREHEAT	29: OS-OVRL
14: ACCEL SUPPLY	30: HOURMETER
15: ACCEL 1	31: WATER TEMP
16: ACCEL 2	

Spare Sensor Inputs which are highly configurable for Warnings, Failures, Autostart on Sensor level (high value or low value), as well as turn output on based on sensor level.

Switched Outputs Switched to +Battery can be used for engine control and annunciation. See Manual for details

Switched Inputs (Switched to+ battery or ground programmable) can be used for general warnings and failures with programmable text can also be used for logic functions see user manual

When this Input is Active (Grounded) The ECM is Preheating Engine

When this Input is Active (Grounded) The ECM is Preheating Engine

Main Connector	
J4-1	+Battery
J4-2	+Battery
J4-3	Ground
J4-4	Ground
J4-5	Switch Input A
J4-6	Switch Input B
J4-7	Switch Input C
J4-8	Switch Output A
J4-9	Switch Output C
J4-10	Switch Output B
J4-11	Sensor Ground
J4-12	Sensor Input A
J4-13	Sensor Input B
J4-14	Sensor Input C

Expansion Connector	
J3-1	Switch Input D
J3-2	Switch Input E
J3-3	Deluxe Remote Gauge Power
J3-4	Switch Output E
J3-5	Switch Output F
J3-6	Sensor Power (5V)
J3-7	Sensor Ground
J3-8	Sensor Input D

Communication Connector	
J6-1	RS485-A
J6-2	RS485-B
J6-3	CAN High
J6-4	CAN Low
J6-5	CAN Ground
J6-6	Speed Input
J6-7	Speed Reference
J6-8	RS485 Ground
J6-9	
J6-10	

Generator Connector (A)	
J5-1	Gen. Current (A)
J5-2	Gen. Current (B)
J5-3	Gen. Current (C)
J5-4	Neutral

Generator Connector (V)	
J7-1	Gen. Phase A
J7-2	Gen. Phase B
J7-3	Gen. Phase C
J7-4	Neutral

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PROJECT:				MODEL:					
FINISH:				PT PART #					
MATERIAL:				DESCRIPTION: DIAGRAM, WIRING, DYNAGEN, 4HK1					
THICKNESS:				SIZE A		DWG. NO. S-2235		REV	
DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED				NAME		DATE		NOT TO SCALE	
DO NOT SCALE DRAWING				DRAWN		NDM		4/15/2015	
				WEIGHT:		SHEET 1 OF 1			