

Page	Func./Loc.	Description
/50	=WP.03	Move workpiece pallet vertically hydraulic Unit Pallet position Sensor
/51	=EC.01	Provide air conditioning in electrical cabinet Fan unit/ Service Key
/52	=HM.05	Operation of workpiece changer Start post With light barrier
/53	=HM.05	Operation of workpiece changer Start post Without light barrier(Delete from S02.00)
/54	=HM.05	Operation of workpiece changer Start post E-stop
/55	=HM.06	Activate safety lock using key switch Control panel
/56	=IF.08	Recool cooling water Combination process cooler
/57	=MA	Multi-function Laser suction Control
/58	=MA	Multi-function Laser suction Control
/59	=RM.05	Suction out fumes and dusts Laser suction
/60	=RM.05	Suction out fumes and dusts Suction flaps
/61	=IL	Laser interfaces Laser signal in
/62	=IL	Laser interfaces Laser signal out
/63	=IL	Laser interfaces Laser
/64	=IL	Laser interfaces Laser
/65	=MA	Multi-function Machine body interface
/66	=MA	Multi-function Motion unit interface
/67	=MA	Multi-function Motion unit interface, 24VDC
/68	=WP	Workpiece Motion unit Proximity switch/ Front lift plate sensor
/69	=WM	&=WM; Motion unit Proximity switch
/70	=TL	Handle laser beam tool Motion unit-Valves and Alignment laser diode

Page	Func./Loc.	Description
/71	=TL.11	Guide and shape cutting gas flow Motion unit Lanny Valve
/72	=MA	Multi-function Pallet door interface
/73	=MS.01	Make safe enclosed protective housing and pallet opening access Pallet changer door (Left rear)
/74	=MA	Multi-function Gas circuit interface
/75	=IF	Interfaces Cutting gas control
/76	=IF.10	Prepare and distribute lubricant Lubrication
/77	=IF	Interfaces Device panel
/78	=CM	&=CM; Device panel
/79	=HM.04	Show operating status of machine with signal lamps Status indicator
/80	=EC.03	Illuminate work area Work area illumination
/81	=HM.01	Observe work area Camera (not used now)
/82	=PE	Protective earthing and EMC Equipotential bonding Star point 1 (left front)
/83	=PE	Protective earthing and EMC Equipotential bonding Star point 2 (left rear)
/84	=PE	Protective earthing and EMC Equipotential bonding Star point 3 (right rear)
/85	=PE	Protective earthing and EMC Equipotential bonding Star point 4 (right front)
/86	=PE	Protective earthing and EMC Equipotential bonding Valve terminal
/87	=PE	Protective earthing and EMC Equipotential bonding Motion unit
/88	+TF	&+TF; Cable laser interface
/89	+CO	Cooling aggregate Power cable Cooling aggregate
/90	+OP	Operating panel Panel PC Topology
/91		EtherCAT topology
/92		EtherCAT topology

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	Set of schematics TruLaser 1000 fiber BE				34711-08	01.02.2024 TCN521ZX	01.02.2024 TCN521ZX	01.02.2024 TCN520HU	Circuit diagram TruLaser 1000 fiber BE								
	Project number	Vers.proj.	Doc.type						Document number	Doc. part	Version	Status	Id number	Sheet	Type	Format	
	93630-5-E1	03	E3S	Original record	03.04.2023 TCN521TE	17.05.2023 TCN521TE	17.05.2023 TCN520HU	93630-5-201	002	03	RE	2815136	3 of 111	E1	A3		