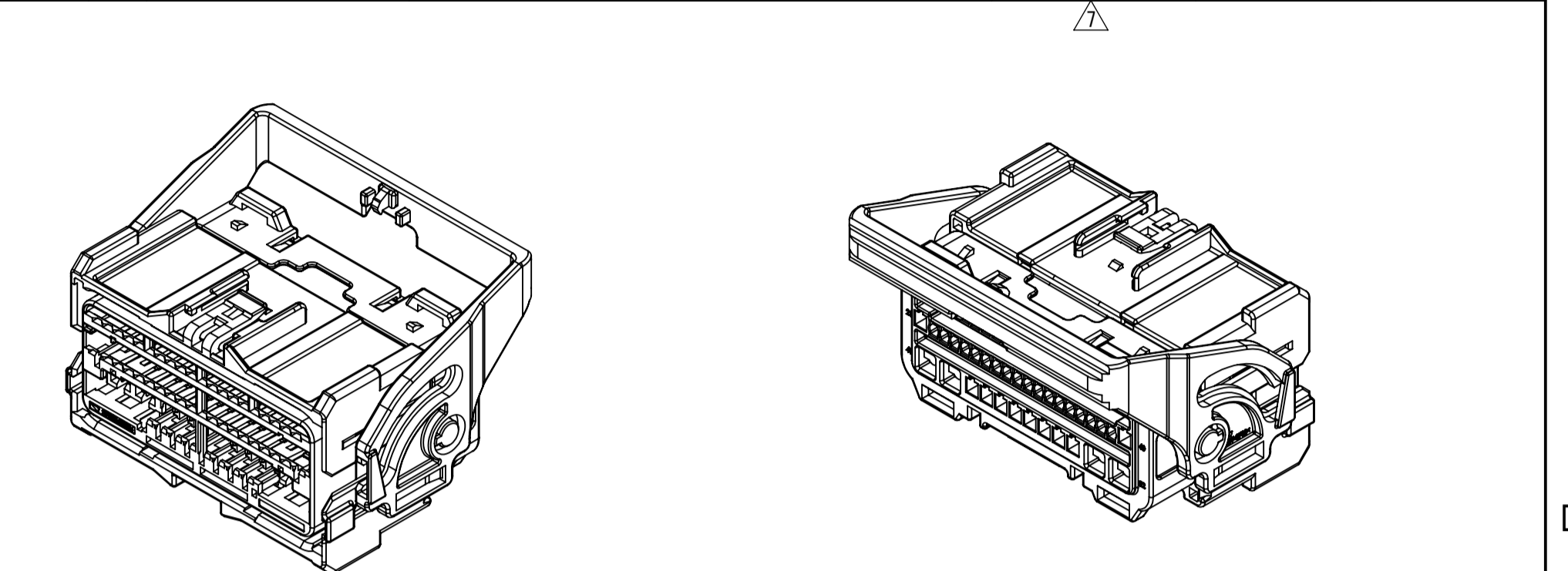
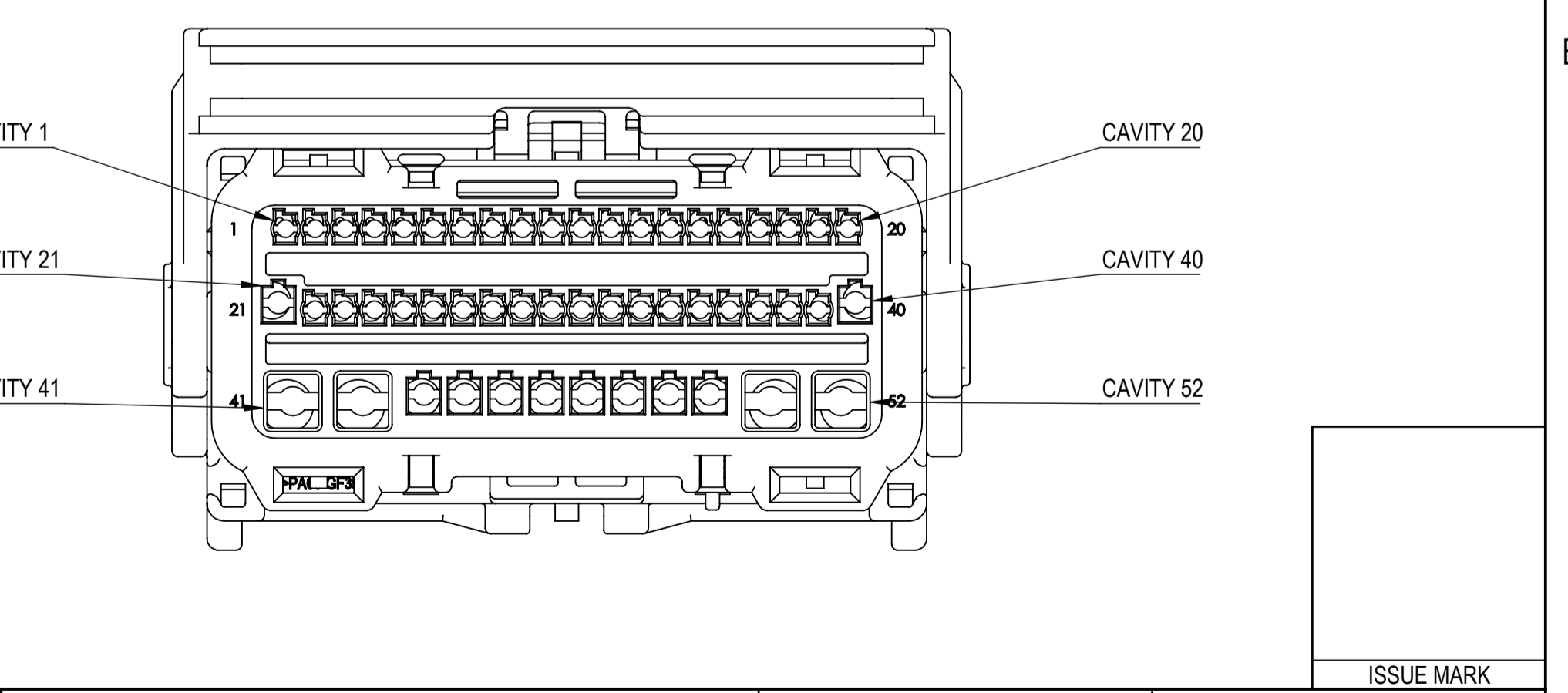


SUB-ASSEMBLY PART NUMBER	NO.	PART NUMBER	PART NAME	MATERIAL	COLOR	QUANTITY
SEE FOLLOWING PAGES	①	7189-8201-30	52P (38xGEN-Y 0.64 + 10xYESC III 1.5 + 4xAPEX 2.8) SEALED FEMALE CONNECTOR HOUSING - KEYWAY A	PA66-GF35	BLACK	1
		7189-9496-40	52P (38xGEN-Y 0.64 + 10xYESC III 1.5 + 4xAPEX 2.8) SEALED FEMALE CONNECTOR HOUSING - KEYWAY B	PA66-GF35	LIGHT GRAY	1
	②	7172-1437	52P (38xGEN-Y 0.64 + 10xYESC III 1.5 + 4xAPEX 2.8) SEALED FEMALE CONNECTOR TPA	PA66-GF35	NATURAL	1
	③	7137-3099-50	52P (38xGEN-Y 0.64 + 10xYESC III 1.5 + 4xAPEX 2.8) SEALED FEMALE CONNECTOR INTERFACE SEAL	SILICONE	RUST RED	1
	④	7172-5588-90	52P (38xGEN-Y 0.64 + 10xYESC III 1.5 + 4xAPEX 2.8) SEALED FEMALE CONNECTOR MAT SEAL	SILICONE	LIGHT BLUE	1
	⑤	SEE TABLE 2	52P (38xGEN-Y 0.64 + 10xYESC III 1.5 + 4xAPEX 2.8) SEALED FEMALE CONNECTOR MAT SEAL COVER	PBT-GF15	BLACK	1
⑥	7173-3622	52P (38xGEN-Y 0.64 + 10xYESC III 1.5 + 4xAPEX 2.8) SEALED FEMALE CONNECTOR LEVER	PBT-GF30	NATURAL	1	



NOTES:

- PARTS MUST BE PURCHASED FROM YAZAKI.
- PARTS MUST BE FREE OF FLASH AND IMPERFECTIONS THAT AFFECT FUNCTION.
- APPLICABLE TERMINAL: SEE 7196-0191-02-R DRAWING (FLX TAB DOWN 0.64mm) (PREFERRED) OR C-2098753 DRAWING (TYCO GEN-Y 0.64mm) MAX WIRE OD: 1.90mm (1-20, 22-39) MIN WIRE OD: 1.20mm (1-20, 22-39) SEE 7116-6317-02-R DRAWING (YESC III 1.5mm) MAX WIRE OD: 2.40mm (21, 40, 43-50) MIN WIRE OD: 1.20mm (21, 40, 43-50) 54001800, ETC. (15324842 DRAWING) (APEX 2.8mm) MAX WIRE OD: 3.80mm (41-42, 51-52) MIN WIRE OD: 1.90mm (41-42, 51-52) SEE S-100201 DRAWING (SEWS 2.8mm) MAX WIRE OD: 4.00mm (41-42, 51-52) MIN WIRE OD: 1.00mm (41-42, 51-52)
- APPLICABLE CAVITY PLUG: 7173-4532-40 (0.64 FEMALE MAT SEAL CAVITY PLUG) 7173-4534-40 (1.5 FEMALE MAT SEAL CAVITY PLUG) 54200005 (2.8 MAT SEAL CAVITY PLUG)
- MATING PART NUMBER: SEE TABLE 2
- PART SATISFIES USCAR-2, REVISION 6, FEBRUARY 2013, (T3/V2/S3/MF3).
- PART TO COMPLY WITH YPES-31-038 REQUIREMENTS.
- THIS DIMENSION SHOWS THE PRE-SET POSITION OF THE TPA.
- THIS DRAWING IS TO BE USED FOR INTERNAL YAZAKI PSW SUBMISSION.
- CLIP SLOT: 11mm CLIP SLOT, (BASED ON USCAR 11mm CLIP SLOT, EWCAP-005-11, REV C)
- HANDLING MANUAL NUMBER: YPES-15-1716E
- APPLICABLE DRESS COVER PART NUMBER(S): 7174-1574-30, 7174-1783-30
- WARPAGE EXPECTED AND ACCEPTABLE IN THIS AREA. FIT AND FUNCTION SHALL NOT BE AFFECTED.
- DRAWING SHOWS MAT SEAL COVER IN THE AS-MOLDED (FULLY PLUGGED) CONDITION PRIOR TO ASSEMBLY. CAVITIES ARE TO BE PUNCHED OUT PER TABLE 2.
- THIS CONNECTOR MEETS S2 SEALING CLASS REQUIREMENTS WHEN NOT FITTED WITH THE OPTIONAL WIRE COVER. WHEN FITTED WITH THE OPTIONAL WIRE COVER, CONNECTOR MEETS S3 SEALING CLASS REQUIREMENTS.



DATE	REVISION RECORD	NO.	CHKD
23-03-2023	ADDED NEW CONFIGURATIONS	C23-A188	FR
12-20-2022	ADDED NEW CONFIGURATIONS AND REVISED CONFIGURATION	C22-A656	AP
09-28-2022	ADDED NEW CONFIGURATIONS AND ADDED MAT SEAL CAVITY PLUG	C22-A534	AP
06-20-2022	ADDED NEW CONFIGURATIONS AND FLX TAB DOWN 0.64 TERMINAL	C22-A317	AP
03-15-2022	ADDED NEW CONFIGURATIONS	C22-A142	AP
12-09-2021	REVISED SHAPE AND ADDED NEW CONFIGURATIONS	C21-A868	AP
09-21-2021	ADDED NEW CONFIGURATIONS	C21-A717	AP
05-12-2021	ADDED NEW CONFIGURATIONS	C21-A402	AP
03-17-2021	ADDED NEW CONFIGURATIONS	C21-A243	AP
12-04-2020	ADDED NEW CONFIGURATIONS	C20-A868	AP
09-21-2020	ADDED NEW CONFIGURATIONS	C20-A662	AP
06-20-2018	NEW	C18-A535	DZ

GENERAL TOLERANCE											
	10MAX	50MAX	100MAX	250MAX	250OVR	R5 MAX	R10 MAX	R20 MAX	R20 OVR	ANGLE	ECCENT
A	±0.15	±0.2	±0.3	±0.5	±0.75					±3°	0.1
B	±0.2	±0.3	±0.55	±0.95	±1.4	±0.2	±0.3	±0.5	±2.5	±3°	0.1
C	±0.3	±0.5	±0.8	±1.4	±2					±3°	0.15
SPECIFIED										MASS	(60.00g)

CUSTOMER		CUSTOMER DWG NO.		MTRL SPEC.		TREAT. & FIN.	
CUSTOMER PART NO.				SEE TABLE 2		N/A	
OFFICE YNA		TRIAL PART NO.		NAME 52P (38xGEN-Y 0.64 + 10xYESCIII 1.5 + 4xAPEX 2.8)			
VENDOR		X41589-AG43		SEALED FEMALE CONNECTOR SUB-ASSEMBLY			
VENDOR NO.				DWG TYPE		PART NO.	
				R		7289-8201-30, ETC.	
				DWG SOURCE		CH. CODE	
				DWG DATE		DWG NO.	
				06-20-2018		7289-8201-30-R (1/11)	
				UNIT		SET DWG NO.	
				mm			
				SCL			
				2/1			
				ANGLE			
				3			
				APPROVED			
				CHECKED			
				DESIGN			
				DRAWN			
				JACKSON			
				MATHESON			
				06-02-2016			
				FERNANDA			
				RASCON			
				03-23-2023			
				YAZAKI CORPORATION			

TABLE 2 - CLOSED CAVITY CONFIGURATION
CLOSED CAVITY NUMBERS (*X* INDICATES A CAVITY WHICH WILL REMAIN PLUGGED - SEE NOTE 14)

Table with columns: FEMALE SUB ASSEMBLY PART NO., KEYWAY, MAT SEAL COVER PART NO., MATING PART NUMBER, and 52 numbered columns (1-52) representing cavity numbers. Rows are labeled A through E on the left and right sides.

ISSUE MARK

CUSTOMER: 7289-8201-30, ETC.
VENDOR: YNA
DWG NO.: 7289-8201-30:R (2/11)
YAZAKI CORPORATION

GENERAL TOLERANCE table with columns: 10MAX, 50MAX, 100MAX, 250MAX, 250OVR, R5 MAX, R10 MAX, R20 MAX, R20 OVR, ANGLE, ECCENT, MASS (60.00g)

TABLE 2 - CLOSED CAVITY CONFIGURATION
CLOSED CAVITY NUMBERS (*X* INDICATES A CAVITY WHICH WILL REMAIN PLUGGED - SEE NOTE 14)

Table with columns: FEMALE SUB ASSEMBLY PART NO., KEYWAY, MAT SEAL COVER PART NO., MATING PART NUMBER, and 52 numbered columns (1-52) representing cavity numbers. Rows list various part numbers and their corresponding cavity configurations.

E

E

D

D

C

C

B

B

A

A

ISSUE MARK

CUSTOMER: 7289-8201-30, ETC. NAME: 52P (38xGEN-Y 0.64 + 10xYESCIII 1.5 + 4xAPEX 2.8) SEaled FEMALE CONNECTOR SUB-ASSEMBLY. Includes fields for DWG NO., DATE, and SIGNATURE.

GENERAL TOLERANCE table with columns for dimensions (10MAX, 50MAX, 100MAX, 250MAX, 250OVR, R5 MAX, R10 MAX, R20 MAX, R20 OVR) and angular tolerances (ANGLE, ECCENT, MASS).

TABLE 2 - CLOSED CAVITY CONFIGURATION
CLOSED CAVITY NUMBERS (*X* INDICATES A CAVITY WHICH WILL REMAIN PLUGGED - SEE NOTE 14)

Table with columns: FEMALE SUB ASSEMBLY PART NO., KEYWAY, MAT SEAL COVER PART NO., MATING PART NUMBER, and 52 numbered columns (1-52) representing cavity numbers. Rows list part numbers and their corresponding cavity configurations.

Technical drawing header and title block. Includes: CUSTOMER (7289-8201-30), OFFICE (YNA), VENDOR (X41589-AG43), NAME (52P (38xGEN-Y 0.64 + 10xYESCIII 1.5 + 4xAPEX 2.8)), SEATED FEMALE CONNECTOR SUB-ASSEMBLY, PART NO. (7289-8201-30, ETC.), DWG NO. (7289-8201-30:R (8/11)), and YAZAKI CORPORATION logo.

TABLE 2 - CLOSED CAVITY CONFIGURATION
CLOSED CAVITY NUMBERS (*X* INDICATES A CAVITY WHICH WILL REMAIN PLUGGED - SEE NOTE 14)

Table with columns: FEMALE SUB ASSEMBLY PART NO., KEYWAY, MAT SEAL COVER PART NO., MATING PART NUMBER, and 52 numbered columns (1-52) representing cavity numbers. Rows include part numbers like 7298-8162-30, 7298-8406-30, etc.

Customer information: CUSTOMER PART NO., CUSTOMER DWG NO., OFFICE YNA, TRIAL PART NO. X41589-AG43. Name: 52P (38xGEN-Y 0.64 + 10xYESCIII 1.5 + 4xAPEX 2.8). Part description: SEALED FEMALE CONNECTOR SUB-ASSEMBLY. Part No. 7289-8201-30, ETC. DWG No. 7289-8201-30:R (9/11). YAZAKI CORPORATION.

GENERAL TOLERANCE table with columns: 10MAX, 50MAX, 100MAX, 250MAX, 250OVR, R5 MAX, R10 MAX, R20 MAX, R20 OVR, ANGLE, ECCENT. Values range from ±0.15 to ±1.4.

Approval and signature block: APPROVED, CHECKED, DESIGN, DRAWN. Includes names JACKSON MATHESON and FERNANDA RASCON with dates 06-02-2016 and 03-23-2023.

